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CRICOS 00103D RTO 4909 Page 1 of 1

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# The Oral Language Productive Vocabulary Profile of Children Starting School: A Resource for Teachers

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#### Introduction

Oral language proficiency at school entry is one of the foundations of literacy (Humphry, Heldsinger & Dawkins, 2017). While oral language continues to develop through the school years, the oral language that students have in the early years of formal education is particularly crucial, as teachers draw on their students' oral language as a resource when teaching them to read (Konza, 2016a). There is a need for educators to understand what this oral language resource consists of up to the age of starting school (approx. age 4/5, kindergarten/Year 1), both in terms of what might be expected from the general population of children and the diversity of proficiencies, enabling us to address inequalities that impede literacy development in the early years (Hill & Launder, 2010). The focus of this article is productive vocabulary, a key component of oral language. After decoding skills, vocabulary is the most important predictor of reading comprehension in the early years (Biemiller, 2012). A child's vocabulary consists of two funds of knowledge: receptive vocabulary (words students can understand) and productive vocabulary (words they can use to express themselves) (Hiebert, 2020). Receptive vocabulary size is larger than productive vocabulary and becomes increasingly crucial to reading as school progresses. However, oral language productive vocabulary is particularly important in early childhood as children engage in learning through speaking, self-talk, private speech and dialogic talk that support higherorder thinking (Konza, 2016a).

Educational research has long been interested in what vocabulary students know to determine whether there is a progression to acquisition and/or what evidence can be drawn on for vocabulary selection (Green, 2018, 2020; Hiebert, 2020). The current study offers a profile of the oral language productive vocabulary based on approximately 3.6 million words produced by a large sample of children aged under 5, i.e. the approximate age for children starting school. The results are reported as a frequency ranked productive vocabulary resource for vocabulary pedagogy. For example, a simple yet powerful theory of vocabulary selection for children with smaller vocabularies is to consider the vocabularies of similar aged students with larger vocabularies, selecting target vocabulary from the words that peers know on the basis that the vocabulary is within the zone of proximal development for the less proficient (Biemiller, 2012). A oral language productive vocabulary list can facilitate this pedagogy by representing those words highly productive for most children as well as the more advanced vocabulary not part of every child's oral language competence. Such a profile also allows teachers to leverage the words expected to be in the oral language vocabulary of children starting school so as to scaffold from these new vocabulary, and draw on them when teaching children to read (Konza, 2016b). The article proceeds as follows. The first section reviews the research on literacy development and oral language, followed by a more specific review of vocabulary knowledge across the school years and vocabulary selection theory. Next, the methods of the current study are described, followed by a discussion of the results. The pedagogical implications are discussed with a focus on the National Literacy Learning Progressions of the Australian National Curriculum. These progressions describe common developmental sequences Australian teachers should expect students to progress through during literacy development (Roberts, 2020).

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Oral language is a construct that represents both social and psychological processes that support literacy development. Whorrall and Cabell (2016) define it as "various skillsets including vocabulary (receptive and expressive), syntactic knowledge, and narrative discourse processes (comprehension and storytelling)" (p. 336). Children with more advanced oral language are better at task management, self-direction and understanding the increasingly abstract language of schooling (Konza, 2016a, Amorsen & Miller, 2017). For Hill and Launder (2010), oral language is "the foundation for beginning reading as children draw on the meaning, syntax and the phonology of spoken language as a bridge to emergent literacy" (p. 240). It has been repeatedly found that a child's oral language proficiency when starting school predicts reading achievement both in early primary and middle school (Whorrall & Cabell, 2016). Paatsch, Scull and Nolan (2020) report that within the oral language construct, vocabulary is one of the strongest predictors of literacy outcomes and explains most of the variance in reading comprehension. Leveraging children's early vocabulary knowledge for reading development is crucial, as Konza (2016b) notes, because "a student is more likely to be able to read a word that is within their oral vocabulary and to read related words" (p. 2).

Children start school with diverse oral language proficiencies. Those from vulnerable communities and lower socio-economic backgrounds are significantly disadvantaged, in part from less vocabulary input during childhood (Hart & Risley, 1995). As Konza (2016a) states, it is difficult to learn to read "without a wide vocabulary and familiarity with language structures... these are, in most cases, already well developed before a child begins school" (p. 5). However, in interviews with South Australian teachers, Hill and Launder (2010) report many were concerned about the unequal distribution of oral language proficiencies at school entry. Children who have restricted vocabulary need immediate support if they are to achieve similar literacy outcomes to their peers and Biemiller (2012) argues "our chances of successfully addressing vocabulary differences in school are greatest in the preschool and early primary years" (p. 35).

## Vocabulary knowledge across the school years

 Research on vocabulary as a predictor of literacy outcomes has largely been based on estimates of the number of words that students know, i.e. their vocabulary size (Konza, 2016b). Amorsen and Miller (2017) suggest the average vocabulary size for children starting school is about 4,000-5,000 words. However, the methods researchers use to estimate vocabulary size vary, and therefore so do estimates of vocabulary size. Anglin (1993) used a dictionary sampling method, based on the theory that if a dictionary has, for example, 250,000 entries and student can define 10% of a random sample, then the student might know about 25,000 words. Testing 32 children from Years 1, 3, and 5 on 196 words from Webster's Third dictionary, Anglin (1993) reports that Year 1 (age 6) students might have a receptive vocabulary of up to 10,000 words, while Year 5 students (age 10) may know up to 40,000. The method is problematic and likely overestimates given subsequent research. In an investigation of primary school students, Biemiller and Slonim (2001) based estimates on 100 word samples from the *Living Word Vocabulary* (Dale & O'Rourke, 1981) that lists 44, 000 words and their suggested progression throughout the years of schooling. They directly tested student knowledge of the vocabulary using multiple choice questions and report a kindergarten vocabulary size of approximately 3,500 words, 5,200 words by Year 2 and 8,400 by Year 5 (Biemiller & Slonim, 2001).

Coxhead, Nation and Sim (2015) studied 243 secondary school students (aged 13-18) in New Zealand. They tested knowledge of the most frequent 20,000 words of English, as represented by the British National Corpus (Nation & Beglar, 2007). This method relies on developing a vocabulary profile in the form of a ranked frequency wordlist from which knowledge of random samples are tested at progressively less frequent word-frequency bands, e.g. 100 words from within the first 1,000 most frequent words, 100 words from the 2-3,000 band etc. Vocabulary development, in general, progresses from more frequent to less frequent words . As Massaro (2016) notes "more frequent occurrences of a

word would be analogous to a highly likelihood of the word being in the child's vocabulary" (p. 880). Those with larger vocabularies know more words that are less frequent and those with smaller vocabularies operate mostly with higher frequency words. Coxhead, Nation and Sim (2015) report that students in Years 7-8 have vocabulary sizes of approximately 6,400 word families, increasing to about 9,400 by Year 10-12. They also find a wide range of vocabulary knowledge, with some students knowing up 17,000 word families.

### Vocabulary selection theory

Australia, consistent with many countries, does not have a curriculum either at the federal or state levels that extensively specifies the vocabulary to be taught at specific year levels. There are several reasons for this. One is that research into what words should be taught to whom is an ongoing research programme so we are not yet at a stage where the evidence-base exists for a detailed vocabulary curriculum that would be widely agreed upon (Hiebert, 2020). Another is the common research-to-practice translation challenge of disseminating research to practitioners (Biemiller, 2012). Yet another is, as Whorrall and Cabell (2016) suggest, "there is no universal answer to the question of which words to teach. A teacher knows his or her students and can choose what is appropriate for that particular classroom" (p. 336). Furthermore, a long standing debate has existed over the efficacy and efficiency of explicit vocabulary teaching (Krashen, 1989), though as Hiebert (2020) points out, detailing in curriculum the target vocabulary known to facilitate reading does not mean that every word will need to be explicitly taught.

Despite the challenges of establishing a vocabulary curriculum, several significant vocabulary selection theories have influenced curriculum in Australia and elsewhere. One significant approach to vocabulary selection has been frequency based. A word's frequency in the language indicates its importance in that more frequent words cover more of the vocabulary in any given text, and the more words one knows in a text, the more they are likely to comprehend it (Nation, 2016). Sight words are another example of frequency-based vocabulary selection that are particularly influential. The original sight word list by Dolch (1936) consisted of 220 of the highest frequency words from a corpus of children's literature and 95 of the most commonly occurring nouns. The idea of sight words is that most high frequency words have difficult orthophonemic mapping and occur so frequently that it is more efficient for beginning readers to learn them by sight. Recent work, however, has shown such words display systematic grapheme-phoneme correspondences (Miles et al., 2018). Sight word lists are still recommended vocabulary resources in curriculum documents internationally and in Australia (ACARA, 2014). Beyond sight words, Nation (2016) proposes frequency as the primary information around which to structure a vocabulary curriculum, beginning with a general service list of the first 2,000 words containing most function words and covering up to 80% of texts, then progressively moving through mid-frequency words up to the first 10,000 word families of English, finishing with academic vocabulary and low frequency words. The goal for general functional literacy should be knowledge of the most frequent 10,000 word families, as these cover 95-98% of vocabulary in most texts, a threshold shown to correlate with comprehension. Hiebert (2020) similarly argues for a common core vocabulary in primary school based on the most frequent 2,451 word families (expanding to 5,586 word forms) in school textbooks. This vocabulary covers approximately 90% of vocabulary in primary school texts (Hiebert, 2020).

Another well-known theory of vocabulary selection has been the 'Three Tiers' model (Beck, McKeown & Kucan, 2013), commonly recommended in Australian curriculum documents, e.g. *The Literacy Teaching Toolkit* of the Victorian Department of Education). In this model, Tier 1 words are highly frequent (spoken language) items that may not need teaching. Tier 2 words are those encountered across a range of texts, with high utility for academic literacy, and are those which in the context of a target text would impair comprehension if not understood. Tier 3 words are discipline-specific (e.g.

chromosome) and can be taught in subject areas when needed. Tier 2 words are therefore recommended to be the bulk of vocabulary targets selected by teachers. A characteristic of this model is that vocabulary be taught in context, so it is argued no list of Tier 2 words can exist because the texts chosen by teachers vary so do the Tier 2 words needed to comprehend these texts. The approach has several advantages, for example, authentic texts used in classrooms are not typically levelled for word frequency, so vocabulary may arise that impairs comprehension and a frequency-based vocabulary curriculum too stringently followed might therefore not support reading comprehension in these contexts. The model also has disadvantages, one being that the 'in-context' argument can be too stringently followed for all vocabulary selection, ignoring the evidence that the general utility of a word is indexed by objective frequency across texts. Since research has suggested making subjective judgements of utility are not always easy for teachers, it seems possible to provide more scaffolding for teachers' vocabulary selection though combining the three tiers model with frequency-based vocabulary profiles (Hiebert, 2020).

Biemiller (2012) proposed a vocabulary selection theory based on using vocabulary known by students with larger vocabulary sizes as learning targets for students with smaller vocabulary sizes. In this model, teachers prioritise for the bottom 40% of struggling learners those words known by the majority of their age-matched peers. For students with a vocabulary size appropriate to their Year level, target vocabulary should be selected from words known by most students at the Year level above. Biemiller (2012) suggests that about 1,600 words should be taught as a common vocabulary for all students by Year 2. Having a list of potential vocabulary targets with information on which are highly productive and which are productive in the vocabulary of learners with larger vocabulary sizes can therefore assist in vocabulary selection for students with smaller vocabularies.

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### The aim and research questions

- This aim of this study was to profile the oral language productive vocabulary of a large sample of children up to approximately the start of school (less than 5-years-old) in order to develop a resource for teachers to support vocabulary selection. Profiling the possible productive vocabulary of children starting school is useful as it reveals to teachers the words common amongst children. It also reveals the more advanced, less frequent vocabulary not productive in all children but that can be selected as vocabulary targets for children with more restricted vocabularies. As McLachlan (2019) notes, "differences in the levels of knowledge and awareness that children have during their preschool years can affect the efficiency with which they transition into conventional literacy" (p. 13).
- 174
- 175 Based on the review of previous research and given the aim of the study, the research question that guided this study were: 176
  - 1) Which word families appear productive in the oral language vocabulary of children at the approximate age of initial formal schooling?

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Using the resulting oral language productive vocabulary profile generated from research question 1, the article explores its pedagogical implications for vocabulary selection and curriculum planning.

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# Method

# Participants and materials

Productive vocabulary is extracted from preschool aged children's oral language interactions and 185 186 organised by word families (inflectional and derivation forms of a root) and ordered frequency of use. This study drew on the CHILDES database (https://childes.talkbank.org) (MacWhinney, 2000), the largest repository of children's oral language interactions collected by researchers. 6,489 transcripts and approximately 3, 646, 236 million words were extracted from 42 corpora, representing the oral language production of about 785 English-speaking children (approx. 369 female) from the UK/USA/Canada. All corpora are cited in the data-sources appendix, and full descriptions available at <a href="https://childes.talkbank.org/access/">https://childes.talkbank.org/access/</a>. Approximate words per age range are: 4-5 (764,989 words), 3-4 (953,225 words), 2-3 (1,784,813), 0-2 (143,209). The transcripts represent children from different socioeconomic, racial and ethnic backgrounds, though most of the sample consists of white, middle class, native speakers. Several corpora lack rich descriptions of demographics, so the current study focuses only on vocabulary use by age and not by other variables such as SES status. Furthermore, this study develops a resource aimed at both Australian and teachers internationally, yet substantial data on Australian children is not available. Nevertheless, vocabulary instruments developed on English language data from these countries have a history of successful use in language development research within Australia, with only minor adaptations (Reilly et al., 2010).

### Procedure

The author, with the assistance of a research assistant, developed ad-hoc python and regex code to clean the transcripts, for example, removing XXX in transcriptions used by researchers as placeholders when words were unclear. The data structure was converted to a format in which children and interlocutors were set off on consecutive lines and age was XML tagged around each utterance, e.g. <AGE\_4Y07M> *I'm just going to play* </AGE\_4Y07M>. All vocabulary in utterances between tags by speakers under 5-years-old was then extracted and a wordlist generated through Wordsmith version 7 (Scott, 2016) which ranked every word by frequency.

Following this, the challenge was to isolate potentially productive vocabulary since the initial raw wordlist contained around 29,000 items but inspection suggested around 60% were non-words such as *hmm*, *ahh*, *aak* or produced only once or twice in the transcripts. Extremely low frequency words presented a methodological challenge since on the one hand research has shown it can tap the construct of vocabulary size (e.g. in two language samples where one student uses more words only once or twice and the other more repetition of high frequency words, it is the former student who likely has a larger productive vocabulary). Yet, on the other hand, many of these very low frequency items seemed overly advanced for pre-schoolers, e.g. *arthritis*, *indivisible*, and analysis of the transcripts indicated they often occurred in interactions such as (1).

- (1) Examples of produced but not productive vocabulary
- 221 (1b) Mother: "she's probably got some aches and pains in it. You know like <u>arthritis</u>" 222 Child (age 4Y06M): "What's <u>arthritis</u>?"

223 Mother: "well it's what Nana has. When you get old your bones wear out"

Child (age 4Y06M): "oh, like you" (ENG-UK-Thomas)

While *arthritis* is produced, it is problematic to suggest that this production means it is part of the child's productive language. To try to hone in on productive vocabulary, the decision was made that the final resource list only vocabulary produced by children at least three times in every million words, in at least three different transcripts. This is not a perfect solution, since it is possible that some words produced only once or twice in a 3.6 million word corpus are productive for some children, just not frequently produced. However, face validity was obtained for these metrics by trial and error with different metrics, inspecting the resulting lists for which words stayed and which were removed, and transcript examination.

All words were manually inspected and the following removed: proper nouns (e.g. people, products), swear words, and vocabulary not in the BNC-COCA lists (i.e. the most frequent 30,000 English words). Vocabulary from the same word family were grouped together based on the memberships in Nation (2016), since word family knowledge is included in the Australian Curriculum's *National Literacy Learning Progressions* (ACARA, 2014). Variant spellings were grouped together, e.g. *mum/mom*, and contractions added to the word families; for example, productive use of *didn't* and *doesn't* within the *do* word family, which technically they are not, but, given the aim of the research, was considered useful information for teachers.

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Results

# The oral language productive vocabulary profile

The oral language productive vocabulary profile represents 2,767 vocabulary targets, expanding to approximately 5,195 word family members. As an estimate of productive vocabulary size, it is consistent with the receptive vocabulary sizes of children starting schoolin previous research; that is, approx. 3,500 at kindergarten (Biemiller, 2012); 5,000 at Year 1 (Amorsen & Miller, 2017). It is slightly lower than these receptive estimates, since it is a measure of productive vocabulary, and children, like adults, know more words than they produce. The complete profile is available in the supplementary materials of this journal. Table 1 illustrates the organisation of the resource. The leftmost column contains headwords (the most frequent word family member), followed by the frequency of the word family (Freq of Family) and estimated production per million words (Freq per Million), then the individual word family members with their raw (Raw Freq) and normalised (Freq per Million) frequencies.

Table 1The Structure of Oral Language Productive Vocabulary Profile

nese [6077,1667] ler [16,4], littlest [15,4] ven [7,2], driver [697,191]
ren [7,2], driver [697,191]
[442,121] scary [272,75]
1 [8,2], wishes [4,1], wishing [8,2]
1 [29,8] tasty [49,13]
rs [166,46]
3,4], spoiling [8,2], spoilt [7,2]

As reflected in Table 1, it was decided the headword need not necessarily be the root form, e.g. *scare*, *spoil* or *dollar*, but rather the most frequent member of the word family. Not all roots of word family members were produced, so it would be odd to list them as vocabulary targets, and if the root form is not the most productive in the vocabulary of children, then it is arguably better to start with the most productive form when teaching a word family.

Table 2 shows random samples of the vocabulary in the first 500 most frequent words (an arbitrary frequency band for illustrative purposes) in the productive vocabulary profile, the next 501-1,000 most frequent and so forth. This represents a progression from widely known and productive core

Table 2The Oral Language Productive Vocabulary Profile

		•			
0-500	501-1,000	1,001-1,500	1,501-2,000	2,001-2,500	2,501+
STUFF	ALMOST	JOB	DIFFICULT	OPERATION	DELICATE
GIRL	BONE	RECTANGLE	COMFORTABLE	DESIGN	REWIND
ROLL	ENOUGH	CHEW	VILLAGE	TENDER	MANAGER
TEA	DANCE	DELICIOUS	PLENTY	ARREST	CHIRP
HAIR	SONG	POWDER	OWE	RATHER	BRISTLE
THAT	CRAYON	SHOVEL	SLIPPERY	LEAST	RIDDLE
OTHER	FIGHT	RESCUE	FACTORY	ATTACK	ALIEN
GAME	CLOCK	STICKY	GALLOP	FASHION	PREGNANT
TODAY	SHARP	EMPTY	UNDERSTAND	EXPRESS	PRECIOUS
MESS	PARCEL	LIBRARY	FORWARD	TERRIFIC	ESPECIALLY
TOP	DOSE	BANK	SUCH	GRACIOUS	REPAIR
HOT	PUPPET	SECRET	CRUST	CREATURE	CONNECT
MOON	ALLIGATOR	CAMERA	MISCHIEF	FASTEN	BUSINESS
TELL	WHISTLE	SWITCH	GROWL	OPPOSITE	OFTEN
TAPE	SISTER	STOVE	NEIGHBOUR	SERIOUS	COMMERCIAL
FARM	EXCUSE	JUNGLE	TUMBLE	PILLAR	NOR
CAKE	PROBABLY	BORROW	STREAM	OUGHT	EXACTLY
FINISH	CLOWN	SEASIDE	SEEK	TARGET	DAMP
PLATE	SHADOW	ELEVATOR	JUNK	LEND	THEATRE
SHOW	BOUNCE	TRAFFIC	INFINITY	THIEF	NONSENSE
NEAR	ACHE	TORCH	EMERGENCY	OTHERWISE	SEEP
OLD	STRAIGHT	ABLE	INVITE	DAIRY	GROAN
INTO	SINK	DEEP	DARE	RASH	CURIOUS
HARD	HATE	MOMENT	PERFECT	TRADE	SMUDGE
PRETEND	MAD	TEND	BURGLAR	INJECTION	TOWARDS
BATH	EASY	KNOT	CONTAINER	CARNIVAL	REMIND
NAUGHTY	MIDDLE	UNDERNEATH	HORRID	MIDNIGHT	CRUMBLE
PULL	MEDICINE	SCRIBBLE	WEIRD	AWHILE	AIRBORNE
IF	MAGIC	AFRAID	SPARE	DAMAGE	MIGHTY
ROCK	SOON	PILE	DECORATE	NEITHER	HIDEOUT

 Vocabulary is progressively more difficult in Table 2 across the frequency bands. The first 500 words include general words such as *stuff*, *mess*, vocabulary about the here-and-now (e.g. *today*), body words such as *hair*, deictics such as *that*, *near*, simple verbs *show*, *tell* and nouns prominent in children's discourse such as *farm*, *moon*. More multisyllabic child relevant vocabulary are represented in the 501-1,000 most frequently produced words such as *crayon*, *puppet*, *magic*, motion verbs such as *bounce*, and more non-concrete language such as *enough*, *almost*, *probably*, *soon*. In the next frequency band from 1,001-1,500, richer descriptive vocabulary is produced including sensory adjectives *delicious*,

sticky, nouns that are simple but reflect growing background knowledge such as bank, job, library, camera, abstract nouns such as secret, and abstract verbs such as borrow, rescue. Verbs for specific actions such as chew are produced that can be used in place of higher frequency general vocabulary such as eat. The 1,501-2,000 word band shows adjectives for emotions such as comfortable, horrid, weird, multisyllabic verbs such as understand, tumble, invite, decorate, concepts such as infinity, emergency, perfect and labels such as village, burglar, factory, container. Some words produced between 2,001-2,500 require significant background schemas such as arrest, and a variety of words that require some degree of knowledge of their relationship to other words including antonyms, (e.g. fasten, damage, serious, gracious, opposite, rather, least, neither). In the final band are complex verbs such as remind, crumble, connect, seep, bristle, adverbs such as often, towards, exactly, especially, descriptive words such as airborne, delicate, mighty, curious, nouns such as manager, theatre, alien, nonsense, and connectives such as nor.

# **Pedagogical implications**

The oral language productive vocabulary profile presented in this article can support vocabulary pedagogy. The Australian Curriculum (ACARA, 2014) notes that "due to its importance in literacy development, vocabulary is included within and across"(p.4) the development progressions for speaking, listening, reading, viewing and writing. The following section will illustrate how the profile might be used with reference to the benchmarks for vocabulary in the speaking sub-element of the National Literacy Learning Progressions. Speaking progression 1 (SPK1) expects children to produce familiar words, including "common items from pictures or the environment" (ACARA, 2014, p. 12). While examples are not specified, this reflects the vocabulary in Table 2 within the first frequency band such as stuff, farm, moon, bath, cake, hard, girl, rock etc. In SPK2, the curriculum provides vocabulary examples that should be known including "adjectives to describe (red, big)/opinion adjectives (nice, good)/compare and contrast (smaller, more)/connectives to relate ideas (then, because)" (ACARA, 2014, p. 13). Considering these examples in relation to the proposed profile of oral language, big is the 41st most frequently produced word, more 51st, because 82nd, red 92nd, good 105th, and nice 143rd. The high productivity of these SPK2 examples suggests it would be unlikely most children would not have them in their productive oral language vocabulary by school entry, unless the home language is not English or in cases of specific language impairment. This observation seems to be supported by the Age of Acquisition norms (Brysbaert & Biemiller, 2017) and the Communicative Development Index (Frank et al., 2017) where these SPK2 examples are indexed as acquired by most children before age 5. Perhaps more appropriate vocabulary consistent with the SPK2 benchmark could be smaller which occurs only 29 times per million words but whose headword small is 7-8 times more productive. Other potential targets similar in profile to smaller and consistent with the SPK2 descriptors are louder, fuller, quieter, tighter. Better targets than because for causal/time connectives may be before, after, later, and potentially since [ranked 1,429].

SPK3 proposes that children should be using "some precise vocabulary from learning areas/connectives to sequence ideas (first, then, next, finally)/vocabulary to express cause and effect/modal language to influence or persuade (should, will)" (ACARA, 2014, p. 13). The findings of this study suggest productive use of potentially relevant subject area vocabulary that could be used to scaffold vocabulary learning at this benchmark including *ocean*, *seaside*, *mountain*, *volcano*, *stomach*, *eyeball*, *heart*, *blood*, *add*, *plus*. The examples *will* and *should* within SPK3 are ranked 85<sup>th</sup> and 441<sup>st</sup> respectively, so likely most children would have a solid foundation in using these modals, so their use as part of the repertoire of persuasive language would likely be easily taught (if not already known). Connectives such as *then* is 70<sup>th</sup>, *next* 267<sup>th</sup>, *first* 237<sup>th</sup>, so productive in the profile they would not need to be targets for many children by SPK3. However, the word *finally* is much less frequent so less likely

to be part of the productive vocabulary of all children. This information also suggests the connectives listed in SPK3 are unlikely to emerge together so perhaps should not be benchmarked together.

In SPK4 example target vocabulary includes "adverbials to give more precise meaning to verbs (talking loudly)" (ACARA, 2014, p. 14). In the results of this study, loud is ranked 688 and loudly a good target as an infrequent word family member with only six productions in the data. Other adverbs with more frequent roots that could be selected for vocabulary instruction for those who have not acquired them include happily, nicely, carefully, nearly, quickly, quietly, slowly, easily, poorly, closely, badly, luckily, daily. In SPK5, vocabulary benchmarks include "description (protective, outer covering)/more specific and precise words to replace general words (uses difficult or challenging for hard)" (ACARA, 2014, p. 14). Protective seems a good target since protect is 2,525 and though protective is not attested, it could be built from the root. Similarly difficult is ranked 1,532, while its easier synonym hard ranked 341. The oral language productive vocabulary list shows other more specific verbs, nouns and adjectives that have higher frequency counterparts such as repair [2,724] versus fix [199], delicate [2,755] for soft [1019], damp [2,620] for wet [333], terrific [2,412] for great [734]. SPK6 aims for the productive use of "abstractions (freedom, fairness)" (ACARA, 2014, p. 15) and although these do not occur in early oral language, goodness, happiness, kingdom do and so may be good starting points for teaching the target morphology. Finally, SPK7 highlights "vocabulary to intensify and sharpen the focus (scarcely, absolutely, real, simply)/evaluative language to express opinions or convey emotion (significant benefits, devastating consequences)" (ACARA, 2014, p. 15). *Real* occurs in the vocabulary list rather prominently ranked 361<sup>st</sup> but the other vocabulary examples are beyond the productive vocabulary of the children represented in the profile, as would be expected by this level of schooling.

In addition to providing an evidence-based oral language productive vocabulary profile, the results of this study can also be used to support the individual needs of students. Students enter school with different levels of vocabulary knowledge (Konza, 2016b), some privileged and others disadvantaged by the home language environment (Hart & Risely, 1995). To narrow this gap, teachers need to evaluate their students' vocabulary knowledge. There are several ways in which this list could be used by teachers. A teacher could gain an approximate estimate of the individual needs of a child by sampling some words from different frequency ranges in the oral language productive vocabulary profile and asking a student to repeat a word and produce it in a novel sentence. If a student cannot do this for a sample of, we suggest, 10 words from a particular frequency range such as the 1,500-1,600 word band, then then this may be a good starting point for their vocabulary needs. Current language acquisition research suggests the child would likely have knowledge of higher frequency items but not the lower frequency vocabulary (Nation, 2016). Alternatively, in the manner of the Communicative Development Index (Frank et al., 2017), a teacher could ask parents if they had heard their child produce a sample of words from the vocabulary profile. Indeed, experienced teachers have excellent professional knowledge of what words are commonly known and not known by age cohorts based on their years of experience. Such teachers may be able to look at the list and decide, which are Tier 2 or necessary for a particular learner. A final point is that while a teacher can decide to teach these words explicitly, the existence of a vocabulary profile does not necessitate that the words be explicitly taught (Hiebert, 2020). In context and incidental learning arising from engagement with rich and compelling input is an effective pedagogical option. From the current wordlist there are clear clusters of related vocabulary that could be targeted through careful text selection (e.g. custard, gravy, muffin, saucer, fruit, rice, spaghetti, and, doctor, injection, medicine, sick, nurse, hospital).

## Limitations

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The primary limitation of this study is generalisability from the CHILDES database. Though the largest available sample of child oral language, it is not a random sample and cultural diversity is

underrepresented so we cannot say that the vocabulary profile developed in this study represents the productive vocabulary of all children in all contexts. It is not an Australian database, and future research should work toward creating an Australian database. Rather, it is just one evidence-based representation of this construct. Sample representativeness by age is also a limitation in that the 2-3 year olds produced more words than 3-4 and 4-5 year olds (about twice as much). The potential problem with this in terms of the results is the productive oral language profile could underestimate what older children coming to the first year of school know. Another limitation is that the metrics decided on (e.g. stipulating that an item not occur only once) though reasoned, possibly excludes some productive vocabulary. Finally, computational linguistics often works with data noise that can affect the precision of word counts; for example by the fact that standard English spelling is not always used in the transcription of oral language and that many non-words exist.

### Conclusion

This article was motivated by several streams of prior research in literacy development, oral language, vocabulary knowledge across the school years, and vocabulary selection theory, perhaps most specifically the combination of Konza's (2016b) suggestion that "a student is more likely to be able to read a word that is within their oral vocabulary" (p.2) and Biemiller's (2006) proposal that "the best words to teach to children with restricted vocabularies would be the words already known by those with larger vocabularies" (p. 48). A profile of the oral language productive vocabulary is presented for a sample of 3.6 million words produced by approximately 800 children starting school. The results have been structured as a list of 2,767 vocabulary targets that can be used as a resource for vocabulary selection by teachers.

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Rank	Headword	Freq of Family	Freq per Million Words	Word Family Members [Raw freq, per million words]
1 2	I	198117	54335	I [133806,36697], me [23155,6350], mine [4379,1201], my [35984,9869], myself [793,217]
	YEAH	125304	34365	yes [36434,9992], ya [978,268], yah [103,28], yea [100,27], yeah [83481,22895], yeh [643,176], yep [2819,773], yup [746,205]
3	A IT	116621 101672	31984 27884	a [109447,30016], an [7174,1968]
5	YOU	87385	23966	it [77838,21347], it's [23452,6432], its [320,88], itself [62,17] you [74541,20443], ye [439,120], yer [33,9], you's [16,4], your [10726,2942], yours [1408,386], yourself [203,56], yous [9,2], youse [10,3]
6 7	THAT	85621 85448	23482 23435	that [57629,15805], that's [17553,4814], those [4203,1153], dat [5305,1455], dat's [931,255]
8	NO	83280	23133	nah [507, 139], no [82773, 22701] be [7773,2132], am [1681,461], are [12818,3515], been [814,223], being [316,87], is [32912,9026], in [2007,550], ire [215,59], is [4485,1230], its [5,1], was
9	IS	72804	19967	
10	GO	68338	18742	go [29691,8143], goes [5459,1497], goin [1503,412], going [11462,3144], gone [7168,1966], gonna [10783,2957], went [2272,623]
11	THIS	54096	14836	this [48019,13169], these [6077,1667]
12	AND	51656	14167	
13	THERE	49922	13691	there [42211,11577], there's [7711,2115]
14	DO	45868	12580	do [26061,7147], did [7474,2050], didn't [23,6], do's [9,2], does [3873,1062], doesn't [10,3], doin' [307,84], doing [4442,1218], don't [312,86], done [3286,901], undo
15	ONE	44912	12317	one [41863,11481], noone [23,6], one's [1129,310], ones [1897,520] in [41884,11487], inner [3,1]
16	IN	41887	11488	
17	WHAT	41578	11403	what [30048,8241], what's [11423,3133], whatcha [18,5], whatever [53,15], whats [30,8], wot [6,2]
18	GOT	40551	11121	get [18521,5079], gets [426,117], gettin [127,35], getting [1475,405], got [18880,5178], gotcha [4,1], gotta [1101,302], gotten [17,5] he [19177,5259], he's [8387,2300], him [5502,1509], himself [88,24], his [5473,1501]
19	HE	38627	10594	
20	ON	37431	10266	on [37324,10236], onto [107,29] mum [4764,1307], mam [13,4], mammy [14,4], mom [3948,1083], mommies [32,9], mommy [10545,2892], moms [4,1], mumms [46,13], mummy [17786,4878], mums [7,2]
21	MUMMY	37159	10191	
22	WANT	36502	10011	want [19693,5401], wanna [14752,4046], wanta [78,21], wanted [686,188], wanting [11,3], wants [1282,352]
23	TO	29304	8037	
24	HERE	25326	6946	here [22265,6106], here's [3061,839]
25	HAVE	24887	6825	
26	NOT	22449	6157	have [17240,4728], d [1746,479], had [2110,579], has [2492,683], haven [5,1], haves [3,1], havin [41,11], having [1192,327], ve [58,16] not [21202,5815], nt [27,7], t [1220,335]
27	WHERE	21145	5799	where [12318,3378], where's [8818,2418], wherever [9,2] look [19257,5281], looked [125,34], lookin [112,31], looking [916,251], looks [676,185]
28	LOOK	21086	5783	
29	SOME	20254	5555	some [14247,3907], somebody [1043,286], somehow [7,2], someone [402,110], somethin [347,95], something [3249,891], sometime [39,11], sometimes [527,145], somewhere [393,108] can [20034,5494], cannot [21,6]
30	CAN	20055	5500	
31	THEY	19669	5394	they [9210,2526], em [2195,602], their [851,233], theirs [9,2], theirselves [4,1], them [7387,2026], themselves [8,2], they's [5,1] like [18707,5130], liked [100,27], likes [383,105], liking [3,1]
32	LIKE	19193	5264	
33	PUT	18500	5074	put [17486,4796], puts [87,24], putting [927,254]
34	WE	17939	4920	we [15305,4197], our [1547,424], ours [79,22], ourselves [22,6], us [957,262], we's [29,8] see [15637,4289], saw [1485,407], seein [3,1], seeing [43,12], seen [354,97], sees [41,11]
35	SEE	17563	4817	
36	UP	17382	4767	up [16897,4634], ups [125,34], upside [360,99]
37	NOW	16098	4415	
38	KNOW	15573	4271	know [15058,4130], durno [290,80], knew [83,23], knowed [13,4], knows [129,35] come [9466,2596], came [869,238], comes [1046,287], comin [249,68], coming [3004,824]
39	COME	14634	4013	
40 41	SHE BIG	13894	3811	she [6093,1671], her [5558,1524], hers [51,14], herself [61,17], she's [2131,584]
42	DOWN	13569 13374	3721 3668	big [12570,3447], bigger [880,241], biggest [119,33] down [13369,3667], downs [5,1]
43	OUT	13262	3637	out [11573,3174], outs [3,1], outside [1645,451], outta [41,11] two [13106,3594], twice [11,3], twos [18,5]
44	TWO	13135	3602	
45	DAD	12972	3558	dad [2102,576], dad's [90,25], daddies [46,13], daddy [10722,2941], dads [12,3]
46	ALL	12945	3550	all [12942,3549]
47	FOR	12413	3404	for [12375,3394], fer [38,10]
48	HELLO	11961	3280	hello [3977,1091], hallo [21,6], hey [5297,1453], hi [2658,729], hullo [8,2]
49	OF	11775	3229	
50	MAKE	11603	3182	make [7666,2102], made [1530,420], maker [29,8], makers [11,3], makes [372,102], makin [169,46], making [1826,501]
51	MORE	11394	3125	
52	RIGHT	10907	2991	ok [8,2], okay [10541,2891], okey [21,6]
53	OKAY	10570	2899	
54	JUST	10176	2791	why [9733,2669], why's [172,47]
55	WHY	9905	2716	
56 57	WITH	9655	2648	with [9645,2645], wiv [10,3]
58	PLAY CAR	9500 9307	2605 2552	play [7394,2028], played [378,104], player [90,25], players [12,3], playing [1449,397], plays [45,12] car [7894,2165], car's [140,38], cars [1273,349]
59	BABY	9061	2485	baby [8179,2243], babby [11,3], babies [441,121], baby's [430,118] say [4535,1244], said [3049,836], sayin [34,9], sayis [308,249]
60	SAY	8852	2428	
61	BUT	8482	2326	eat [5883,1613], ate [715,196], eaten [182,50], eater [63,17], eaters [25,7], eatin [118,32], eating [1290,354], eats [172,47]
62	EAT	8448	2317	
63	LITTLE	8393	2302	little [8362,2293], littler [16,4], littlest [15,4]
64	LETS	8348	2289	
65	AT	8198	2248	let [3425,939], lemme [328,90], let's [4483,1229], lets [80,22], letting [32,9] at [8198,2248]
66	OFF	8085	2217	off [8080,2216], offs [5,1] take [6180,1695], taken [52,14], takes [130,36], takin [94,26], taking [605,166], took [550,151]
67	TAKE	7611	2087	
68	TOO	7524	2063	back [6901,1893], backs [3,1], backed [4,1], backing [18,5], backs [23,6], backward [11,3], backwards [327,90]
69	BACK	7287	1998	
70	THEN	7045	1932	
71	ANOTHER	6376	1749	
72	NEED	6109	1675	need [5665,1554], needed [70,19], needs [374,103]
73	HOW	5985	1641	how [5901,1618], how's [84,23]
74	MAN	5746	1576	man [5035,1381], man's [189,52], mans [7,2], men [515,141]
75	AGAIN	5701	1564	
76	OVER	5571	1528	
77	SIT	5463	1498	sit [4276,1173], sat [156,43], sits [107,29], sitter [16,4], sittin [90,25], sitting [818,224] three [5374,1474], third [22,6], threes [4,1]
78	THREE	5400	1481	
79	WHO	5374	1474	who [3574,980], whos [1554,26], wheever [34,9], whom [3,1], whose [208,57] when [5251,1440], when's [26,7], whenever [31,9]
80	WHEN	5308	1456	
81	HOUSE	5265	1444	house [5094,1397], houses [171,47]
82 83	BECAUSE CAUSE	5249 5235	1436	because [5234,1435], cos [15,4]
84	BLUE	5214	1430	blue [5076,1392], blue's [30,8], blues [97,27], bluey [11,3]
85	WILL	5170	1418	will [5086,1395], ll [84,23]
86	TRAIN	5167	1417	train [4551,1248], train's [132,36], trainers [18,5], training [6,2], train's [460,126] think [4471,1226], thinkin [5,1], thinking [85,23], thinks [78,21], thought [524,144]
87	THINK	5163	1416	
88	DOG	5078	1393	dog [2643,725], dogs [105,29], doggie [1078,296], doggies [98,27], doggy [823,226], dogs [331,91] please [5003,1372], pleased [20,5]
89	PLEASE	5023	1378	
90	SO	4969	1363	
91	FALL	4765	1307	fall [2711,744], fallen [233,64], fallin [24,7], fallin [542,149], falls [131,36], fell [1124,308] red [4617,1266], red's [9,2], reddy [3,1], reds [37,10]
92	RED	4666	1280	
93	OPEN	4340	1190	open [4045,1109], opened [143,39], opener [18,5], opening [63,17], opens [71,19] thing [2459,674], thin [53,15], thing's [22,6], thingies [5,1], things [1722,472], thingy [55,15]
94	THING	4316	1184	
95	FOUR	4288	1176	four [3822,1048], forty [202,55], fours [14,4], fourteen [237,65], fourth [13,4] way [4215,1156], way's [4,1], ways [29,8]
96	WAY	4248	1165	
97	FIND	4055	1112	find [2466,676], findin [4,1], finding [85,23], finds [14,4], found [1486,408]
98	AWAY	4001	1097	
99	BROKEN	3980	1092	break [857,235], breakin [12,3], breaking [94,26], breaks [50,14], broke [172,321], broken [1795,492] book [3253,892], book's [7,2], book's [67,183]
100	BOOK	3927	1077	
101	DEAR	3918	1075	
102	TRUCK	3900	1070	truck [3266,896], truck's [21,6], trucks [613,168]
103	BOY	3883	1065	boy [3188,874], boy's [98,27], boys [597,164]
104	WATER	3876	1063	water [3774,1035], water's [33,9], watered [7,2], watering [50,14], waters [12,3] good [3618,992], gooder [10,3], goodies [22,6], goodness [105,29], goody [82,22]
105	GOOD	3837	1052	
106	GREEN	3826	1049	green [3788,1039], greens [35,10], greeny [3,1]
107	COULD	3822	1048	
108	ANY	3722	1021	any [2055,564], anybody [234,64], anyhow [7,2], anymore [469,129], anyone [57,16], anything [601,165], anyway [172,47], anyways [25,7], anywhere [102,28] bit [3381,927], bit's [21,6], bits [275,75], bitty [10,3]
109	BIT	3687	1011	
110	WELL	3664	1005	
111	MAMA	3620	993	goodbye [314,86], bye [3306,907]
112		3592	985	mama [2755,756], mama's [53,15], mamaa [10,3], mamma [111,30], momma [663,182]
113	OTHER	3585	983	other [3533,969], other's [4,1], others [48,13] thank [2691,738], thanks [880,241]
114	THANK	3571	979	
115	WATCH	3521	966	watch [3159,866], watched [66,18], watchers [4,1], watches [14,4], watching [278,76] sleep [2301,631], sleepin [60,16], sleeping [841,231], sleeps [64,18], sleeps [120,5]
116	SLEEP	3429	940	
117	CAT	3342	917	cat [2973,815], cat's [79,22], cats [290,80]
118	GIVE	3309	908	give [2377,652], gave [447,123], gimme [274,75], given [16,4], gives [39,11], givin [7,2], givin [149,41] turn [2780,762], turned [251,69], turnin [14,4], turning [146,40], turns [112,31]
119	TURN	3303	906	
120	DOOR	3289	902	door [2985,819], door's [59,16], doors [232,64], indoors [13,4]
121	IF	3273	898	
122	STICK	3212	881	stick [891,244], sticker [165,45], stickers [159,44], stickin [18,5], sticking [101,28], sticks [138,38], stuck [1740,477] yellow [3126,857], yellows [27,7]
123	YELLOW	3153	865	
124	FIVE	3108	852	five [2810,771], fiften [148,41], fifth [8,2], fifty [125,34], fives [17,5] bed [2969,814], beds [10,3], beds [117,32]
125	BED	3096	849	
126	BEAR	3067	841	toy [1042.266], toy's [4,1], toys [2019,554]
127	TOYS	3065	841	
128	READ	2998	822	read [2732,749], reader [14,4], readin [13,4], reading [224,61], reads [15,4]
129	BOX	2865	786	box [2564,703], boxes [301,83] ball [2572,705], balls [11,3], balls [244,67]
130	BALL	2827	775	

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hat [2664,731], hat's [13,4], hats [126,35]
milk [2737,731], milks [11,3], milks [20,5], milky [32,9]
time [2610,716], aptime [4,1], times [3,1], timer [12,3], times [145,40]
stop [2348,644], stopped [287,79], stoppin [3,1], stopping [57,16], stops [67,18]
round [2739,751], rounder [72], rounds [5,1]
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                                        MILK
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CHAIR
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chair [238,652], chair's [18,5], chair's [272,75]
juice [2617,718], juices [3,1], juicy [53,15]
help [2363,648], helped [55,15], helper [94,9], helpers [5,1], helpful [3,1], helpin [9,2], helping [134,37], helps [33,9]
hand [173,746], hand's [173], handraful [3,1], hands [873,239]
fire [2552,700], fire's [25,7], fired [5,1], fires [30,8], firing [5,1]
lot [984,270], lots [6,2], lots [16,14], and [173], helpin [9,2], helpin [9,2], helpin [134,37], helps [33,9]
nice [2533,695], nicely [43,12], nicer [7,2], nicest [3,1]
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                                   JUICE
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drink [2172,596], drank [31,9], drinkin [39,11], drinking [23,564], drinks [80,22], drank [28,8]
call [888,246], called [1490,496], callin [32,9], callin [13,9], callis [49,13]
hold [2161,593], hed [5,1], holder [10,3], holders [5,1], holdin [20,5], holding [355,97], holds [22,6]
work [1904,522], worked [30,8], worker [12,4], workers [7,2], workin [54,15], working [378,104], works [189,52]
dere [2302,631], deres [263,72]
orange [2364,648], oranges [174,48]
for [2105,577], fishin [14,4], fishing [209,57], fishy [85,23]
girl [2065,664], girl's [87,24], girls [333,97], girly [5,1]
tell [175,6482], fellin [27,7], letiling [129,35], tells [38,10], told [543,149]
shoe [931,261], shoe's [6,2], shoes [123,418]
drive [1123,316], driven [72], driver [197,191], drivers [21,6], drivers [35,10], drivin [14,4], driving [486,133], drove [41,11]
head [278,625], head's [19,5], headed [11,3], heading [6,2], heads [109,30]
own [2010,551], cow's [3,61], cows [3,66,2]
six [2039,559], sixes [6,2], sixteen [174,48], sixth [3,1], sixty [104,29]
jump [142,398], jumped [200,77], jumper [168,46], jumpers [10,3], jumpin [22,9], jumping [293,80], jumps [60,16], jumpy [15,4]
fun [35,97], fumics [7,2], funnies [10,3], fumry [1926,528]
hot [201,604], hotter [25,7]
hurt [168,464], hurtin [6,2], hurting [11,40], hurts [135,97]
show [201,554], show's [9,2], showed [67,18], showin [4,1], showin [48,13], shown [3,1], shows [37,10]
ett [180,2494], cuttin [10,3], drivers [10,3], draver [10,4], draver [10,4
                                        DRIVE
HEAD
COW
                                        SIX
                                                                                                                                                        2326
                                        FUN
                                        DOLL
                                                                                                                                                        2246
                                        нот
                                        HURT
                                             SHOW
  165
                                        CUT
                                                                                                                                                        2185
    166
167
168
                                        PIECE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           piece 11850-433], pieces [604.166]
draw [1694.65], drawin [12.3], drawing [59.0,109], drawings [9.2], drawn [10.3], draws [16.4], drew [32.9]
chocolate [1071.294], choc [889.244], chocolates [4.1], chocolates [127.35], chocs [76.21]
horse [1859.510], horses [33.9], horses [255.70], horsy [4.1]
trag [217.384], test [15.37], tree [247.1], trag [16.35], trying [552.151]
tea [211.784], test [15.4], test [18.31], colorin [19.5], coloring [231.63], colors [324.89]
hear [1636.449], heard [445.122], hearin [4.1], hearing [8.2], hears [11.3]
mane [1806.495], names [40.3], maned [410.36], names [14.31],
eye [797.219], eyes [4.1], eyed [5.1], eyes [1284.382]
talk [1180.324], talked [45.12], talkin [122.33], talking [656.180], talks [65.18]
build [891,244], builder [555.152], builders [16.4], buildin [37.10], building [507.139], buildings [15.4], built [43.12]
                                                                                                                                                        2184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                piece [1580,433], pieces [604,166]
                                        DRAW
                                        CHOCOLATE
    169
                                        HORSE
                                                                                                                                                        2151
                                      TRY
TEA
COLOUR
HEAR
NAME
EYE
TALK
BUILD
OR
EGG
HAIR
BETTER
ABOUT
FROM
PEOPLE
    170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              egg [1245,341], egg's [4,1], eggs [796,218]
hair [1930,529], hair's [27,7], haired [3,1], hairs [35,10], hairy [45,12]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           people [1849,507], people's [39,11], peoples [101,28] bus [1946,534], bus's [3,1], buses [29,8]
                                          BUS
WOULD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hide [973,267], hid [18.5], hidden [14.4], hides [8.2], hidin [16.4], hiding [900,247] noise [1573,431], noises [48.1], noisy [304,83] tree [1402,385], tree's [8.2], trees [512,140] school [1887,518], preschool [8.2], schools [9.2], schools [14.4] finish [571,157], finished [131,536], finishes [8.2], finishing [11,3] wait [1605,440], waitin [19.5], waiting [26.472] beep [1866,512], beeping [9.2], beeping [9.3], nun [1048,287], ran [14.3,9], rumer [3.1], rumin [42.12], numing [536,147], rumny [32.9], rums [59.16] bird [1171,321], birds [277,7], birdie [53,15], birds [303,83], birdy [34.9] top [1781,488], tops [61.17] foot [812,223], feet [1001,278], foots [19.5], ft [5.1] foot [812,223], feet [1001,278], foots [19.5], ft [5.1] fix [1443,496], fixed [236,65], fixer [8.2], fixing [23,38] write [1470,403], writes [16.4], writin [7.2], writing [310,85], wrote [31,9] white [182,6], whether [6.2], wheeler [6.2], white [182,74]) walk [171,29], walk [1071,294], walked [82.23], mature [10.3], walke [29.8], walkin [39,11], walking [479,131], walks [72,20] mean [1361,373], means [340,93], meant [66,19] buy [127,93,351], bousht [378,10], buyin [61,17], buys [62,17], buys [8,2]
                                        HIDE
                                                                                                                                                        1929
1925
                                          NOISE
                                        TREE
                                                                                                                                                        1922
                                             SCHOOL
                                                                                                                                                        1918
    192
193
                                        FINISH
                                                                                                                                                        1905
1888
                                             WAIT
194
195
196
197
198
199
200
201
                                        BEEP
                                                                                                                                                        1885
                                                                                                                                                                                                                                                                                      517
511
                                          RUN
                                                                                                                                                        1863
                                        BIRD
                                                                                                                                                        1861
1842
                                        TOP
FEET
                                                                                                                                                        1837
                                      FIX
WRITE
WHITE
                                                                                                                                                        1834
1834
1833
1817
                                   CAKE
WHEEL
FIT
APPLE
BAG
WALK
MEAN
ALRIGHT
BUY
BANG
SHALL
ROOM
LADY
STAND
FOOD
PIG
SEVEN
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
                                                                                                                                                        1814
1798
1795
1795
1785
1769
1768
1731
1728
1724
1717
1714
1711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                buy [1279,351], bought [378,104], buyin [5,1], buying [61,17], buys [8,2] bang [1488,408], banged [78,21], bangin [4,1], banging [133,36], bangs [25,7]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tong [1940,465], room's [7,2], room's [16,4] and [15,4], standing [39,2], lady's [87,24] stand [1243,341], standin [15,4], standing [39,21,08], stands [43,12], stood [18,5] foodd [183,64], foods [1,3], foods [1,3]
                                        PAPER
EVERYBODY
220
221
222
223
                                        DUCK
                                                                                                                                                        1683
                                        RIDE
                                        ICE
WASH
                                                                                                                                                        1664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ice [1630,447], iced [23,6], icy [11,3] wash [1185,325], washed [129,35], washer [24,7], washes [7,2], washing [315,86]
  226
227
                                        SHOP
                                                                                                                                                        1654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                shop [875,240], shop's [18,5], shoppin [9,2], shopping [508,139], shops [244,67] minute [1391,381], min [27,7], minutes [233,64]
                                        MINUTE
                                                                                                                                                        1651
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         minute [139,1381], min [277], minutes [233,64] might [1637,49], milst [123,3] throw [1308,59], threw [108,20], thrower [8,2], throwin [13,4], throwing [175,48], thrown [20,5], throws [16,4] ight [1279,531], light [1279,61], light [1479,61], it [14,4] cup [149,389], cups [212,58] engine [149,389], cups [212,58] engine [149,389], cups [212,58] engine [149,389], cups [212,58] engine [149,389], indirect [151,41], eighty [34,9] move [1208,331], moved [80,24], mover [31,1], moves [51,14], movin [26,7], moving [221,61] cream [1544,423], reamls [7,2], creams [37,10], creamy [7,2] poo [1575,432], poo's [5,1]
                                        NIGHT
THROW
  230
231
                                        LIGHT
                                                                                                                                                        1646
                                      CUP
ENGINE
EIGHT
MOVE
CREAM
POO
FIRST
MAYBE
PUSH
REALLY
BLACK
NINE
READY
DAY
BRING
LONG
LION
                                                                                                                                                        1631
232
233
234
235
236
237
240
241
242
243
244
245
246
247
248
249
250
251
                                                                                                                                                        1611
1602
1595
1595
1580
1565
1564
1546
1538
1536
1531
1531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              push [1199,329], pushed [125,34], pusher [3,1], pushes [16,4], pushin [21,6], pushing [182,50]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           black [1527,419], blacks [9,2]
nine [1240,340], nines [4,1], nineteen [193,53], ninety [89,24], ninth [5,1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           day [1335,366], daily [13,4], day's [5,1], days [173,47] bring [1144,314], bringin [11,3], bringing [50,14], brings [25,7], brought [291,80] long [1421,390], longer [76,21], longest [18,5] lion [129,736,6], bions [39,11], lone [170,47] elepham [1325,363], elepham [1325,363], elepham [1325,363], elepham [1325,43] money [410,386], money's [12,3], moneys [71,19], monies [4,1] teddy [1411,387], leddies [24,7], leddy's [53,15] tape [1393,382], tape's [12,3], maped [17,5], tapes [42,12], taping [23,6]
                                        ELEPHANT
                                                                                                                                                        1501
1496
                                        TEDDY
TAPE
NEW
                                                                                                                                                        1490
                                                                                                                                                        1484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         table [141,3.388], table's [16.4], tablecloth [8.2], tables [35,10] birthday [1460,400], birthdays [10,3] bost [139,9.373], boat's [6.2], boats [103,28] narry [188,52], ran [59,16], ran [109,2.299], ranas [86,24], narna [9,2], narny's [32,9] nose [143,5.394], nosed [7.2], noses [22,6] picture [982,7.7], pict [24,9], picture [982,7.7], picture [982,7], picture [9
    253
254
                                             TABLE
                                        BIRTHDAY
    255
                                        BOAT
NANNY
                                                                                                                                                        1468
  256
257
                                                                                                                                                        1466
                                                                                                                                                                                                                                                                                      402
                                          NOSE
                                                                                                                                                        1464
1463
                                                                                                                                                                                                                                                                                      402
401
                                        PICTURE
  259
                                        MONKEY
CHICKEN
                                                                                                                                                        1448
                                        STAY
UNDER
```

```
RABBIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     rabbit [1215.333], rabbit's [59.16], rabbits [144.39]
  263
264
265
266
267
268
269
                                                YUM
                                                                                                                                                                      1413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      yummy [347,95]
                                                                                                                                                                                                                                                                                                             385
384
383
382
                                              ANIMALS
                                                                                                                                                                      1404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       animal [448,123], animal's [7,2], animals [949,260]
                                              ONLY
NEXT
                                                                                                                                                                      1400
1395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                pick [1058,290], picked [145,40], pickin [16,4], picking [140,38], picks [34,9] keep [1126,309], keeper [61,17], keepin [6,2], keeping [46,13], keeps [117,32], kept [33,9] happen [295,81], happened [789,216], happenin [3,1], happening [189,52], happens [107,29]
                                              PICK
                                                                                                                                                                      1393
                                              KEEP
                                                                                                                                                                      1389
                                                                                                                                                                                                                                                                                                             381

379

378

375

374

373

371

366

364

369

355

354

352

350

349

348

347

343

341
                                              HAPPENED
                                                                                                                                                                      1383
1377
1369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             napien [22-5,61], napieneta [76-5,210], nappeant [3.1], napienin [3.1], napienin [18,320], napieneta [76-5,210], napieneta [76-5,22], napieneta [76-5,23], napieneta [76-5,23], napieneta [76-5,24], n
                                              YET
PULL
                                      NOTHING
SNAKE
CRASH
FLY
PINK
CATCH
FRIEND
KNOCK
DADA
COLD
BY
MESS
TIGER
                                                                                                                                                                      1369
1365
1360
1356
1354
1352
1335
1327
1312
1296
1292
1291
1285
1277
1274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  messi\ [1021,280],\ messed\ [48,13],\ messin\ [8,2],\ messin\ [22,6],\ messy\ [193,53] tiger [1134,311],\ tiger's\ [56,15],\ tigers\ [101,28] dirty [1075,295],\ dirt\ [210,58]
                                              DIRTY
STILL
WHICH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     which [1267,347], whichever [7,2]
cheese [1269,348], cheeses [5,1]
                                              CHEESE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cheese [1269,348], cheeses [5,1]
else [1290,348], chees [38,10]
miss [581,159], missed [321,88], misses [15,4], missin [8,2], missin [340,93]
grandfather [24,7], gran [20,8], grandad [4481,132], granddad [40,112], grandfathers [3,1], grandfathers
                                              FLSE
                                                MISS
                                              GRANDAD
                                              FINGER
                                                                                                                                                                      1244
     294
295
296
297
                                              PAINT
                                                                                                                                                                      1235
                                              FLOOR
                                                BITE
                                              DINNER
                                                                                                                                                                      1221
                                                TELEPHONE
                                                                                                                                                                      1220
                                              DINOSAUR
BRIDGE
                                           SILLY
HAPPY
TODAY
NAUGHTY
LEG
DROP
USE
BATH
LOVE
AROUND
BEE
LETTERS
ROLL
MOUSE
                                                                                                                                                                      1204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  happy [1169,321], happier [5,1], happily [13,4], happiness [11,3], unhappy [5,1] today [1190,326], today's [13,4]
                                                                                                                                                                                                                                                                                                             \label{eq:continuous} $$ \log \{6.2\}, \log [6.2], \log [512,140]$ drop $[695,191], dropped [420,115], dropping [40,11], drops [38,10]$ use $[100,275], used $[76,21], useful [9,2], uses $[11,3], using $[95,26]$ lory $[148,315], orrise $[92], [60,775], 925]$ doe $[102,280], loved $[17,5], loves $[14,31], lovey $[16,4], loving $[5,1]$ $$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             bee [1011,277], bee's [10,3], bees [141,39] letter [570,156], letter's [3,1], letters [577,158] roll [640,176], rolled [9,16], roller [193,08], rollers [5,1], rollin [13,4], rolling [237,65], rolls [54,15] mouse [10,23], mouses [10,23], mouses [10,23], leaves [174,49], leaving [48,13] poor [530,145], poorly [606,166] window [939,258], window's [18,5], windows [164,45] rain [300,137], rain's [3,1], rained [14,4], rainin [25,7], raining [526,144], rains [23,6], rainy [24,7] after [1108,304], afterwards [6,2] swim [375,103], swimmin [6,2] swim [375,103], swimmin [6,2] swim [375,103], swimmin [6,2] swim [375,103], swimmin [32,9], swimmin [621,170], swims [20,5] close [105,29,0], closely [41,1] closer [42,12] sweet [298,82], sweetie [233,64], sweeties [254,70], sweets [312,86]
                                           MOUSE
LEAVE
POOR
WINDOW
RAINING
AFTER
SWIM
       319
320
321
                                                                                                                                                                      1114
                                                                                                                                                                      1109
1104
                                              CLOSE
                                                SWEET
       323
                                                SORRY
                                                                                                                                                                      1095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  pretend [925,254], pretended [9,2], pretending [158,43] dig [374,103], digger [585,160], diggers [30,8], diggin [11,3], digging [77,21], digs [3,1], dug [11,3]
     324
325
                                              PRETEND
DIGGER
                                                                                                                                                                      1092
1091
                                                                                                                                                                      1090
     326
327
                                              MUCH
                                                TEN
                                                                                                                                                                      1086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                brick [371,102], bricks [712,195] mouth [103,292], mouthful [5,1], mouths [14,4] cookin [23,6], cooked [110,30], cooker [61,17], cookin [23,6], cookin [267,73], cooks [16,4] bad [992,274], baddie [19,5], baddies [42,12], baddy [10,3], badly [5,1] through [1070,293], thru [5,1] wet [1033,283], wets [20,5], wets [6,2], wetting [6,2] hole [848,233], holes [216,59]
                                              BRICK
328
329
330
331
332
333
336
337
338
340
341
342
343
344
345
346
347
348
349
350
351
                                                                                                                                                                      1083
1082
                                              MOUTH
                                              COOK
                                                                                                                                                                      1081
                                           BAD
THROUGH
WET
HOLE
                                                                                                                                                                      1075
1075
1065
1064
1064
1059
1056
1053
1050
1046
1043
1041
1037
1032
1028
1028
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                wear [834,229], wearin [15,4], wearing [169,46], wears [20,5], wore [13,4], wom [8,2] fraser [1003,275], fraser's [53,15] whoop [123,34], whoops [930,255] number [88,523], number [88,523], number [88,523], hardest [9,2] tire [245,67], tired [740,203], tires [58,16] old [982,269], olden [5,1], older [51,14], oldest [3,1] cookie [68,175], cookies [399,109] flower [52,145], flowers [54,16], flower
                                           INTO
WEAR
FRASER
WHOOPS
NUMBER
HARD
TIRED
OLD
COOKIE
FLOWER
CLEAN
SLIDE
MIGHT
SPOON
DOCTOR
BUMP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             since [922,253], sind [5,1], sinces [5,1], sinces [35,9], sinding [6,16)
spoons [84,242], spoons [3,1], spoons [132,6]
doctor [717,197], doc [91,25], doctors [81,22], doctors [81,22], dr [52,14]
bump [704,193], bumped [227,62], bumper [13,4], bumpers [82], bumping [31,9], bumps [36,10]
blow [740,203], blow [70,19], blowed [34,9], blowed [92], blowing [92], blowing [106,29], blown [14,4], blows [36,10]
sing [772,212], sang [10,3], sin [7,2], singer [13,4], singers [3,1], singin [11,3], singing [158,43], sings [37,10], sung [6,2]
guy [598,164], guy's [31,9], guys [383,105]
brown [1001,275], browns [31,1], browns [6,2]
step [417,114], stepped [63,17], stepping [29,8], steps [500,137]
kind [87,2239], kind [68,19], kinds [69,19]
balloon [786,216], balloons [92], balloons [212,58]
tractor [934,256], tractor's [23,6], tractors [50,14]
pop [777,213], popped [130,36], poppin [8,2], popping [27,7], pops [63,17]
bow [962,264], bow's [37,10], bows [4,1]
                                              BLOW
                                                                                                                                                                      1018
  352
353
354
355
                                                GUY
                                              BROWN
                                                STEPS
                                                                                                                                                                      1009
     356
357
                                              KIND
                                              BALLOON
     358
359
                                              TRACTOR
                                                                                                                                                                      1007
                                              POP
                                                                                                                                                                      1005
                                              BOW
REAL
                                                                                                                                                                      1003
1000
                                                                                                                                                                                                                                                                                                             275
274
273
271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ring [728,200], rang [5,1], rin [24,7], ring d [13,4], ring in [5,1], ringing [91,25], rings [125,34], rung [4,1] shut [959,263], shuts [6,2], shutting [22,6] game [810,222], games [174,48] chip [21,80], chips [690,189] car [497,156], cms [478,131] side [910,250], sides [59,16]
     362
363
                                              RING
SHUT
                                                                                                                                                                      995
987
                                        270
269
267
266
265
264
264
262
260
258
257
256
255
254
253
253
251
250
250
250
250
  366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sace [9.02.20], staces [9.74]

block [418,115], blocked [15.4], blocking [7,2], blocks [520,143], blocky [3,1]

coffee [946,259], coffee's [6.2], coffees [11,3]

purple [949,260], purples [14.4]

first [701,192], faster [243,67], fastest [13,4]

grandma [891,244], grandmas [18.5], grandmother [33,9], grandmothers [3,1]

bottle [842,231], bottle's [4,1], bottles [93,26]

bitke [855,234], bitke's [9,2], bitker [7,2], bitkes [67,18]

forget [501,38], forgettin [3,1], forgetting [7,2], forgot [581,159], forgotten [41,11]

sock [450,123], socks [482,132]

pat [843,232], pust [7,2], patting [12,3]

touch [786,216], touched [48,13], touches [5,1], touchin [12,3], touching [74,20]
                                                TOUCH
NOPE
                                                                                                                                                                      925
925
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             toucn [186,216], toucned [18,13], toucned [5,1], toucnin [12,5], toucnin [12,5], toucnin [12,5], toucnin [12,5], toucnin [12,5], toucnin [12,5], toucnin [18,10] monster [68,18], monsters [34,9], 18, toucnin [38,10] monster [68,9], toucnin [48,13], toucnin [48,1
       382
383
                                              PLATE
FIREMAN
                                                                                                                                                                      923
921
                                                                                                                                                                   917
911
911
                                                MONSTER
       385
386
387
                                              DRESS
                                              FACE
                                              PUZZLE
                                                                                                                                                                      910
  388
389
390
391
                                              POSTMAN
                                                                                                                                                                                                                                                                                                             249
                                              LIE
PENCIL
                                                                                                                                                                                                                                                                                                             248
248
                                                                                                                                                                      906
906
901
900
                                              SUN
LIVE
                                                                                                                                                                                                                                                                                                             247
247
       393
394
                                              HIT
TUMMY
```

```
\label{eq:penergy} $$ [74,205], pen's [4,1], pens [135,37] $$ [95,21], lossing [7,2], lost [795,218] $$ button [464,171], buttoned [8,2], buttons [214,59], unbutton [10,3] $$ scarcer [117,23], scarced [442,121], scarcer [31,73], scarcer [31,7
                                                     PEN
  396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
420
421
422
423
424
425
                                                     LOSE
                                                     BUTTON
                                                                                                                                                                                                                                                                                                                                                               241
                                                                                                                                                                                                 878
874
872
872
                                                           SCARED
                                                                                                                                                                                                                                                                                                                                                               240
239
                                                     KITTY
                                                     SAME
                                                                                                                                                                                                                                                                                                                                                               239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       wake [636,174], waken [4,1], wakened [4,1], wakes [32,9], wakin [7,2], waking [99,27], woke [79,22], woken [9,2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              wake [636,174], waken [4,1], wakened [4,1], wakes [32,9], wakin [7,2], waking [99,27], woke [79,22], story [814,223], stories [53,15] mister [123,90], nr [534,146] tail [804,221], units [10,3], unis [48,13] bread [844,31], breads [4,1], breads [4,1], breads [4,1] park [720,197], parked [50,14], breads [4,1] park [720,197], parked [50,14], breads [4,1] care [37,70], cared [247], carefull [431,118], carefully [36,10], cares [7,2] climb [497,136], climbed [70,19], climber [3,1], climbin [11,3], climbing [232,64], climbs [12,3] television [235,64], telly [117,32], tv [457,125] brush [63,182], brushed [26,7], brushed [18,5], brushin [4,1], brushing [87,24] sausage [500,137], sausages [500,137], sausages [500,137], sausages [501,37], sausages [501,38] grapes [534,48]] grapes [534,48] grapes [5
                                                        WAKE
                                                                                                                                                                                                                                                                                                                                                               239
                                                                                                                                                                                                 870
867
863
862
852
838
825
809
804
798
795
787
781
780
780
775
772
772
769
767
                                               STORY
MR
TAIL
BREAD
PARK
CARE
CLIMB
TELEVISION
BUNNY
BRUSH
SAUSAGE
FARM
GRAPES
CARRY
RECORD
INSIDE
                                                                                                                                                                                                                                                                                                                                                               238
237
236
234
226
226
222
221
219
218
215
215
215
214
214
213
212
211
210
209
207
207
207
205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sheep [772.212], sheep's [9.2]
late [203.56], later [577,158]
part [723,199], part's [51], parts [50,14]
spider [662.182], spider's [164], spiders [97,27]
mother [683,187], mother's [57,16], mothers [32,9]
stuff [767,216], suffre [51,34], party [6,2]
tower [746,205], towers [21,6]
small [646,177], smaller [105,29], smallest [11,3]
party [750,206], pools [11,3]
                                                     LATER
PART
SPIDER
                                                     MOTHER
                                                        STUFF
                                                     PARTY
                                                        TOWER
  426
427
428
429
430
431
432
433
                                                        SMALL.
                                                                                                                                                                                                 762
757
756
755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 smail (94-0,17/1, smailer [103,29], smailest [11,3]
pooh [746,205], pooh's [11,3]
snow [605,166], snow's [62], snowed [7,2], snowing [102,28], snows [3,1], snowy [33,9]
plane [437,120], aeroplane [260,71], aeroplanes [15,4], plane's [3,1], planes [40,11]
                                                     POOH
                                                           SNOW
                                                     PLANE
                                                     OUCH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              page [659.181], pages [86.24]
circle [644.177], circles [85.23], semicircle [8.2]
high [583.160], higher [133.36], highest [18.5]
arm [517.142], arm's [6.2], arms [210.58]
key [488.134], key's [7.2], keys [236.65]
kene [589.164], kness [123.26]
dark [719.197], darker [9.2]
road [671.184], rd [19.5], roads [3.1], roads [34.9]
meow [702.193], meowing [12.3], meows [8.2]
                                                     PAGE
CIRCLE
                                                                                                                                                                                                 745
737
734
733
731
730
728
727
722
721
719
716
715
709
704
702
696
689
                                                                                                                                                                                                                                                                                                                                                               204
202
201
200
200
200
199
198
197
196
195
194
193
191
188
188
188
188
187
187
187
                                                     HIGH
                                                  ARM
KEY
KNEE
DARK
  434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
                                               ROAD
MEOW
WRONG
SHOULD
NEVER
TOE
DEN
FROG
CLOTHES
TICKLE
LAST
GLASS
MOO
BISCUIT
STAR
QUACK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 toe [362,99], toes [354,97]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    frog [553,152], frog's [7,2], froggies [12,3], froggy [24,7], frogs [114,31]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tickle [515,141], tickled [22,6], tickles [80,22], ticklin [3,1], tickling [72,20], ticklish [12,3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              glass [355,97], glasses [341,94]
moo [686,188], moos [3,1]
biscuit [470,129], biscuit [217,60]
star [498,137], star's [6,2], stars [183,50]
quack [660,181], quacks [24,7]
airplame [632,173], airplames [62], airplames [45,12]
pretty [666,183], prettier [11,3], prettiest [6,2]
                                                                                                                                                                                              687
687
684
        454
455
                                                           AIRPLANE
                                                                                                                                                                                              683
                                                     PRETTY
LUNCH
HUNGRY
                                                                                                                                                                                                 683
        456
457
                                                                                                                                                                                                 683
681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \label{eq:morning_state} \begin{split} & \operatorname{morning}\left[632,173\right], \operatorname{morn}\left[5,1\right], \operatorname{mornin}\left[41,11\right] \\ & \operatorname{feel}\left[447,123\right], \operatorname{feelin}\left[4,1\right], \operatorname{feeling}\left[90,25\right], \operatorname{feelings}\left[6,2\right], \operatorname{feels}\left[58,16\right], \operatorname{felt}\left[71,19\right] \\ & \operatorname{start}\left[375,103\right], \operatorname{started}\left[152,42\right], \operatorname{startin}\left[173,3\right], \operatorname{starting}\left[73,20\right], \operatorname{starts}\left[55,15\right] \\ & \operatorname{bottom}\left[630,173\right], \operatorname{bottoms}\left[62\right], \operatorname{bottoms}\left[35\right], \operatorname{bottoms}\left[35\right], \operatorname{bottoms}\left[36\right], \operatorname{bottoms}\left
  458
459
460
461
462
463
464
465
466
467
470
471
472
473
474
475
477
478
479
480
481
482
483
484
485
486
487
488
488
488
                                                        MORNING
                                                                                                                                                                                              678
676
                                                                                                                                                                                                                                                                                                                                                               186
185
184
184
182
180
180
179
179
178
177
176
173
173
173
173
173
173
173
173
174
175
176
169
169
168
168
168
168
168
167
176
                                                     FEEL
                                                  START
BOTTOM
                                                                                                                                                                                              672
671
668
663
652
656
655
642
641
631
631
                                                        TEETH
                                                  GRASS
DUSTBIN
SHIRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 shirt [597,164], shirt's [6,2], shirts [55,15]
kiss [518,142], kissed [42,12], kisses [23,6], kissin [5,1], kissing [68,19]
                                                  SHIRT
KISS
ALREADY
DADDA
NEAR
SANDWICH
TUNNEL
PRESENT
STRAWBERRY
BOOTS
LADDER
UPSTAIRS
BANANA
TRACK
CROCODILE
HAMMER
GIRAFFE
MOON
REACH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              dadda [630,173], dadda's [23,6]
near [284,78], nearer [27,7], nearly [341,94]
sandwich [524,144], sandwiches [126,35]
tunnel [634,174], tunnels [11,3]
present [467,128], presents [175,48]
strawberry [392,108], strawberries [249,68]
boot [267,73], boots [365,100]
ladder [478,131], ladder's [4,1], ladders [149,41]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 banama [483,132], banamas [147,40]

track [516,142], tracker [5,1], tracks [108,30]

crocodile [540,148], crocodiles [247], crocodiles [65,18]

hammer [573,157], hammer [63,1], hammer [63,11], hammer

giraffe [583,160], giraffe's [7,2], giraffes [36,10]

moon [602,165], moork [7,2], moors [11,3]

reach [601,165], reached [8,2], reaching [9,2]

rock [411,113], rocks [174,48], rocky [32,9]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               erin [6,2], hammering [23,6], hammers [19,5]
                                                     REACH
                                                                                                                                                                                                 618
                                                     ROCK
                                                     PANTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    bubble [265,73], bubbles [329,90], bubbly [21,6]
                                                     BUBBLE
                                                     REMEMBER
                                                                                                                                                                                              614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       remember [604,166], remembered [10,3]
                                                     BIN
                                                                                                                                                                                                 612
611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       bin [612,168]
sugar [603,165], sugars [8,2]
                                                        SUGAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sagai (03,103), sugars (6,2) yucky [29,26), yuck [306,84], yukky [10,3] change [476,131], changed [72,20], changes [13,4], changing [47,13] toast [578,159], toast's [3,1], toasted [3,1], toaster [22,6]
                                                     YUCK
  490
491
492
493
494
495
                                                     CHANGE
                                                                                                                                                                                                 608
                                                     TOAST
TOGETHER
                                                                                                                                                                                              606
601
                                                                                                                                                                                                                                                                                                                                                               166
163
163
163
163
162
161
161
160
160
159
158
157
157
156
156
156
155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 blanket [518,142], blanket's [7,2], blankets [71,19] guess [573,157], guessed [11,3], guessing [11,3]
                                                     BLANKET
GUESS
                                                  GUESS
SICK
CHILD
LEFT
WOOF
WOOD
TOMORROW
COWBOY
DANCE
LID
TASTE
STORE
BUTTERFLY
BUTTER
TIE
LINE
MANY
SWING
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
                                                                                                                                                                                                 595
593
592
591
588
586
585
585
582
578
576
573
573
572
570
569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    child [113,31], child's [7,2], children [465,128], childrens [8,2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 wood [374,103], wood's [24,7], wooden [49,13], woods [60,16], woody [81,22] tomorrow [580,159], tomorrow's [8,2] cowboy [494,135], cowboy's [6,2], cowboy [86,24] dance; [33,0], almoerd [4,1], dancer [5,1], dancers [5,1], dancers [16,4], dancing [225,62] iid [561,154], iid's [6,2], iids [18,5] taste [374,103], tasted [29,8], lastes [120,33], tasting [10,3], tasty [49,13] store [562,154], istorage [5.1], stores [13,4] butterfly [502,138], butterflies [70,19], butterfly [6,2] butter [565,155], butters [47,1], buttered [7,2] tie [401,110], tied [88,24], ties [10,3], tying [14,4], untie [49,13], untied [11,3] line [452,124], lined [4,1], lines [117,32]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              swing (413,113], swingin [3,1], swinging [77,21], swings [72,20], swung [5,1] ding [451,124], din [110,30], dings [8,2] cross [521,143], crossed [8,2], crosses [6,2], crossing [34,9] card [31,185], cards [255,70] set [520,143], sets [12,3], settin [4,1], setting [30,8] jigsaw [51,2140], jigsaw [53,1240], jigsaw [51,2140], jigsaw [51,2
                                                     SWING
                                                                                                                                                                                                 569
566
566
        514
515
                                                     CROSS
CARD
  516
517
518
                                                     SET
                                                     JIGSAW
BOWL
                                                                                                                                                                                                 565
564
                                                                                                                                                                                                 560
559
559
555
        519
                                                     KICK
     520
521
                                                     SHOOT
                                                                                                                                                                                                                                                                                                                                                               153
153
                                                     PENNY
KNIFE
                                                                                                                                                                                                                                                                                                                                                               152
     523
                                                     SMELL
MUST
                                                                                                                                                                                                                                                                                                                                                               152
     524
                                                                                                                                                                                                 553
                                                                                                                                                                                                                                                                                                                                                                  152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    place [516,142], places [36,10]
                                                     PLACE
DOWNSTAIRS
```

```
CARROT
                                                                                                                                                                                                                    carrot [325.89], carrots [225.62]
                                                                                                                                                                                                                   hop [442,121], hopped [33,9], hoppin [6,2], hopping [56,15], hops [13.4]
                  HOP
                                                                     550
547
529
530
531
                  EVEN
                                                                                                                               150
150
149
149
148
148
147
147
147
146
145
145
144
142
141
141
141
140
140
140
140
139
138
138
                  CRAYON
                                                                                                                                                                                                                   crayon [281,77], crayons [265,73]
kid [173,47], kid's [16,4], kids [353,97]
                                                                     546
542
539
538
537
536
535
531
530
529
526
518
516
515
512
510
509
507
505
504
503
                  KID
                 OWN
POST
 532
                                                                                                                                                                                                                  post [520,143], posted [3,1], posting [16,4]
wall [494,135], walls [44,12]
 533
                 WALL
KITCHEN
POLICE
PANDA
MIND
PEAR
NOBODY
PRESS
TWENTY
STATION
QUICK
ALWAYS
BUG
CANDY
HEAVY
SURE
ALMOST
WIPE
DRY
ZOO
534
535
536
537
538
539
540
541
542
543
544
545
546
547
550
551
552
553
554
555
555
555
                                                                                                                                                                                                                panda [485,133], panda's [36,10], pandas [14,4]
mind [352,146], mindin [3,1]
pear [380,104], pears [151,41]
mbody [463,127], nobody's [68,19]
press [480,132], pressed [30,8], pressing [20,5]
twenty [525,144], twenthelh [4,1]
station [513,141], station's [8,2], stations [5,1]
quick [417,114], quicker [6,2], quickly [96,26]
                                                                                                                                                                                                                  bug [342,94], bug's [4,1], bugging [3,1], bugs [167,46] candy [503,138], candies [12,3] heavy [505,138], heavier [5,1], heaviest [4,1] sure [509,140], surely [4,1]
                                                                                                                                                                                                                  wipe [381,104], wiped [30,8], wiper [11,3], wipers [8,2], wipes [34,9], wiping [46,13] dry [387,106], dried [65,18], dries [14,4], dryer [15,4], drying [5,1], drying [23,6]
                  MIX
                                                                                                                                                                                                                   mix [193,53], mixed [96,26], mixer [166,46], mixers [9,2], mixing [41,11]
                  BOTH
                                                                                                                                                                                                                   teach [65,18], taught [18,5], teacher [345,95], teachers [64,18], teaches [3,1], teaching [8,2]
                  TEACHER
                                                                                                                               138
138
                  STREET
                                                                     503
                                                                                                                                                                                                                   street [431,118], st [60,16], streets [12,3]
listen [436,120], listened [3,1], listenin [11,3], listening [52,14]
 559
560
                  LISTEN
                                                                     502
502
                                                                                                                               138
137
137
137
136
135
135
134
134
134
133
133
132
132
131
131
131
131
130
130
129
128
127
127
 561
562
                  BROTHER
                                                                                                                                                                                                                   brother [340,93], bro [101,28], brother's [33,9], brothers [27,7]
                                                                     501
501
                                                                                                                                                                                                                  brother [34,93], bro [101,28], brother's [33,9], brother [60,624,91,135], clocks [10,3] and [475,130], ended [3,1], ending [6,2], ends [16,4] front [490,134], frontwards [7,2] penut [327,90], penuts [167,46] coat [463,127], coats [31,9] van [474,130], van's [9,2], vans [11,3] fat [468,128], fatter [6,2], fatty [16,4] sand [435,119], sandy [54,15]
                  CLOCK
563
564
565
                  END
FRONT
                                                                     500
497
494
494
499
489
488
486
485
484
483
480
479
477
476
                  PEANUT
566
567
568
569
                 COAT
VAN
FAT
SAND
BREAKFAST
PEEP
TINY
SPLASH
TIP
EXCEPT
TOMATO
ENOUGH
DUMP
TANK
GUN
POCKET
SCREW
570
571
572
573
574
575
576
577
578
579
580
581
582
583
                                                                                                                                                                                                                  peep [439,120], peeping [43,12], peeps [6,2] tiny [483,132], tinys [5,1] splashing [4,1], splashing [58,16] tip [376,103], tipped [55,15], tipper [21,6], tipping [20,5], tips [13,4] except [132,02], cpc [411,113] tomato [407,112], tomatoes [76,21]
                                                                                                                                                                                                                  dump [341,94], dumped [17,5], dumper [91,25], dumpers [5,1], dumping [17,5], dumps [9,2] tank [468,128], tanks [12,3] gun [402,110], guns [77,21] pocket [437,120], pocket [437,120], pocket [437,120], winds [3,1], serewing [5,1], serews [80,22], unserew [16,4] wind [375,103], winds [3,1], winds [5,1], windy [93,26] race [242,66], neer [3,1], nees [7,2], racing [223,61] soup [469,129], soups [6,2] football [455,125], footballs [19,5] mss [1,2], stansey [5,9] on [6,2]
                  WIND
RACE
SOUP
                                                                     476
476
475
475
584
585
586
587
                  FOOTBALL.
                                                                     474
                  PUSSY
                                                                     471
                                                                                                                                                                                                                    puss [121,33], pussy [350,96]
588
589
590
591
592
593
                  FINE
GATE
                                                                     467
465
                                                                                                                                                                                                                   gate [401,110], gate's [11,3], gates [53,15]
                  FORK
                                                                     464
                                                                                                                                                                                                                   pie [424,116], pie's [4,1], pies [34,9]
                  PIE
                                                                     462
                  PEA
AUNTIE
                                                                     460
457
457
                                                                                                                                                                                                                    pea [130,36], peas [330,91]
aunt [88,24], auntie [212,58], aunty [157,43]
                                                                                                                               Town (17,114), pooped [10,3], pooping [15,4], poops [15,4] grow [263,72], grew [23,6], growin [10,3], growing [85,23], grown [49,13], grows [26,7] bone [289,79], bones [166,46]
                 POOP
GROW
BONE
MAY
POUR
BEFORE
SEAT
SONG
HONEY
HIPPO
ASK
EXCUSE
PAPA
SISTER
BOUNCE
WARM
SPILL
HANG
SNAP
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
                                                                     456
455
453
453
450
449
449
448
443
443
441
440
440
440
                                                                                                                                                                                                                  pour [366,100], poured [27,7], pourin [4,1], pouring [52,14], pours [4,1]
                                                                                                                                                                                                                   seat [417,114], seats [33,9]
song [378,104], songs [71,19]
                                                                                                                                                                                                                song 13-8,10-13, songs [71,72]
hippo [318,87], hippopotamus [104,29], hippos [26,7]
ask [34,94], asked [39,16], askin [4,1], asking [29,8], asks [9,2]
excuse [429,118], excused [15,4]
papa [393,108], papa's [27,7], poppa [23,6]
sister [395,108], sister's [20,5], sisters [28,8]
bounce [201,55], bounced [16,4], bouncer [13,4], bounces [3,1], bouncin [6,2], bouncin [68,19], bouncy [135,37]
warm [420,115], warmed [9,2], warmer [12,3]
spill [192,23], spilled [11,36], spilling [16,4], spills [5,1], spilt [116,32]
hang [234,70], hanged [18,5], hanger [28,8], hangers [7,2], hangin [16,4], hanging [102,28], hangs [4,1], hung [11,3]
snap [380,104], snapped [40,11], snapping [7,2], snaps [13,4]
                                                                     440
439
438
                  SAD
COUNT
                                                                                                                                                                                                                   count [364,100], counted [12,3], counting [59,16], counts [4,1]
                  SEESAW
                  DEAD
                                                                     437
437
                    ASLEEP
 618
                   MRS
                                                                                                                                                                                                                   mrs [213,58], missis [13,4], missus [210,58]
                                                                                                                                                                                                                   inis [213,36], inissis [23,4], inissis [210,36]
cover [334,92], covered [56,15], covering [6,2], covers [40,11]
clown [391,107], clowns [9,2], clowns [36,10]
dragon [393,108], dragons [12,3], dragons [31,9]
 619
                  COVER
                                                                     436
 620
621
                   CLOWN
                  DRAGON
                                                                     436
                                                                                                                                                                                                                  urgon [373], tongous [123], uragous [373]

fight [233,6], fighter [10,3], fighters [10,3], fightin [10,3], fighting [129,35], fights [14,4], fought [7,2]

garden [418,115], gardener [9,2], gardening [6,2]

tock [221,61], locked [179,49], locking [17,5], locks [7,2], unlock [5,1], unlocked [3,1]

pup [33,10], puppies [59,16], puppy [336,92]
 622
                  FIGHT
                                                                     433
                                                                                                                               119
119
 623
                  GARDEN
                                                                     433
 624
625
                  LOCK
PUP
                                                                     432
430
                  MEAT
 626
627
                                                                     423
                                                                                                                               116
                 POT
MATTER
PENGUIN
AIR
GARAGE
JELLY
RUBBISH
BEHIND
SPOT
FEED
BOOM
WHOA
REST
COURSE
TWELVE
KILL
TURTLE
                                                                                                                                                                                                                   pot [329,90], pots [59,16], potter [34,9]
                                                                     422
628
629
630
631
632
633
634
635
636
637
638
640
641
642
643
                                                                     420
419
419
415
415
414
408
408
407
405
                                                                                                                               115
115
115
114
114
114
112
112
111
110
108
108
107
106
106
105
105
104
103
102
102
                                                                                                                                                                                                                  penguin [333,91], penguin's [8,2], penguins [78,21] air [411,113], air's [3,1], airs [5,1]
                                                                                                                                                                                                                   jelly [400,110], jellies [15,4]
                                                                                                                                                                                                                   spot [219,60], spot's [17,5], spots [145,40], spotted [11,3], spotty [16,4] feed [284,78], fed [59,16], feedin [3,1], feeding [62,17]
                                                                                                                                                                                                                   rest [380,104], rested [7,2], restin [3,1], resting [15,4]
                                                                     403
401
400
394
394
390
390
387
                                                                                                                                                                                                                  644
645
                  WHOLE
                                                                                                                                                                                                                  crisp [81,22], crisps [297,81], crispy [12,3]
castle [373,102], castles [17,5]
dough [378,104], doughs [3,1], doughy [6,2]
father [365,100], father's [14,4], fathers [7,2]
                  CASTLE
DOUGH
                  FATHER
                                                                                                                                                                                                                  father [365,100], fathers [144], fathers [7.2] suppers [5.1] whale [321,88], whale's [4.1], whales [58,16] bell [242,66], bells [138,88] make's [4.1], whales [58,16] bell [242,66], bells [138,88] make's [4.4], lambs [45,12] laugh [124,34], laughed [26,7], laughin [24,7], laughing [187,51], laughin [24,7], laughing [17,51], laughing [187,51], laughing [24,667], laid [25,7], layin [14,4], laying [77,21], lays [10,3] kangaroo [264,72], kangaroo's [14,4], nagraoos [16,4], non [81,22] smip [270,74], supped [4,1], supping [6,2], snips [92,25] helicopter [361,99], helicopters [11,3]
 649
650
                    SUPPER
WHALE
                                                                     384
383
 651
                  BELL
                  LAMB
                                                                     375
373
373
 652
 653
                  LAUGH
                    WONDER
 655
                  LAY
KANGAROO
                                                                                                                               102
 656
                                                                     372
                                                                                                                                102
                  SNIP
HELICOPTER
                                                                                                                                102
102
```

```
659
                          BUSY
                                                                                                                                                                                                                                                                                                                                goat [307,84], goat's [17,5], goats [46,13]
robin [350,96], robin's [15,4], robins [5,1]
stairs [322,88], stair [45,12]
policemen [19,5], policeman [347,95]
mud [315,86], muddy [51,14]
bean [122,33], beans [243,67]
                            GOAT
                                                                                                          370
661
662
663
664
665
666
667
671
672
673
674
675
676
677
678
680
681
682
683
684
684
                            ROBIN
                                                                                                          370
367
366
365
364
363
359
358
357
356
355
354
353
350
350
359
349
344
344
                                                                                                                                                                                                  STAIRS
                            POLICEMAN
                             MUD
                            BEANS
                                                                                                                                                                                                                                                                                                                                bean [122,3-5], beans [243,67]
potato [213,58], potatoes [151,41]
die [141,39], died [186,51], dies [15,4], dying [21,6]
pizza [348,95], pizzas [14,4]
                          POTATO
DIE
PIZZA
                        PIZZA
SOON
SOON
FULL
POTTY
KING
TOILET
ROAR
POILLOW
LICK
POOL
FULL
MICROPHONE
QUIET
TRAILER
SCISSORS
GUM
LOUD
OWL
                                                                                                                                                                                                                                                                                                                               potty [175,48], pottic [178,49], pottics [5,1]
king [303,83] king's [27,7], kingdom [13,4], kings [14,4]
toilet [345,95], toilet's [4,1], toilet [8,2]
rora [339,93], roared [8,2], rorating [5,1], roars [4,1]
pillow [319,87], pillows [36,10]
isk [235,64], licked [29,8], lickin [3,1], licking [80,22], licks [7,2]
potol [348,95], potols [6,2]
imicrophone [323,89], microphones [23,6], mikes [4,1]
quiet [326,89], quieter [3,1], quiety [21,6]
trailet [333,91], trailers [17,5]
sexissors [328,90], seiscis [21,6]
gum [327,90], gummy [15,4], gums [6,2]
loud [252,69], louder [80,24], loudly [6,2]
ovd [299,82], ovd [13,4], ovd [32,9]
basket [335,92], baskets [9,2]
686
687
688
689
                            BASKET
                                                                                                          344
                             YESTERDAY
                                                                                                          344
                                                                                                                                                                                                                                                                                                                                  trick [183,50], tricked [33,9], tricking [11,3], tricks [69,19], tricky [47,13]
                             TRICK
                            NUT
                                                                                                          341
                                                                                                                                                                                                                                                                                                                                  nut [210,58], nuts [131,36]
lift [303,83], lifted [7,2], lifter [8,2], lifting [17,5], lifts [4,1]
                            LIFT
                                                                                                          339
 691
692
                            STICKY
WORM
                                                                                                          339
336
                                                                                                                                                                                                                                                                                                                                worm [203,56], worm's [9,2], worm's [124,34] buzz [23,863], buzzer [5,1], buzzing [7,2], buzzy [85,23] square [27,76], squares [57,16] check [26,59], checked [16,4], checker [5,1], checkers [13,4], checking [77,21], checks [6,2] mickey [32,28], mickey's [6,2]
 693
                            BUZZ
                                                                                                          335
694
695
696
697
                        SQUARE
CHECK
FAVOURITE
MICKEY
BEACH
GAIN
PICNIC
TIGHT
WORD
WHILE
PAY
TROUSERS
GLUE
CATERPILLAR
FIELD
SORE
SHARE
BAT
                            SOUARE
                                                                                                          334
                                                                                                          333
330
                                                                                                          328
328
325
324
322
321
320
320
319
318
317
313
313
313
313
313
310
309
308
305
                                                                                                                                                                                                                                                                                                                                pienie [320,88], pienies [4,1]
tight [249,68], tighten [22,6], tighter [10,3], tights [42,12]
word [165,45], words [157,43]
 702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
                                                                                                                                                                                                                                                                                                                                pay [264,72], paid [30,8], paying [22,6], pays [4,1] trousers [313,86], trouser [7,2] glue [284,78], glued [28,8], gluing [7,2] caterpillar [28,38], caterpillar's [5,1], caterpillars [5,0], fields [29,380], fields [24,7]
                                                                                                                                                                                                                                                                                                                                hate [245,67], sharred [13,4], sharing [55,15] bat [245,68], bats [44,12], batter [14,4], batters [7,2] far [296,81], farther [13,4], farthest [4,1] sownum [30,58,4], sownum 
                          SHARE
BAT
FAR
SNOWMAN
CLOSED
DOLLAR
                            HUG
FENCE
                             SOUND
                            OINK
                                                                                                                                                                                                                                                                                                                                ladybird [269,74], ladybird's [9,2], ladybirds [26,7]
mend [209,57], mended [58,16], mending [36,10]
chop [213,58], chopped [31,9], chopper [6,2], chopping [33,9], chops [20,5]
                            LADYBIRD
MEND
                                                                                                          304
303
303
302
                            CHOP
                             THOUGH
                                                                                                                                                                                                                                                                                                                                  though [291,80], tho [11,3]
 724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
                            EITHER
MACHINE
                                                                                                          302
300
299
298
297
297
296
296
295
294
293
292
291
290
288
288
287
287
287
                                                                                                                                                                                                                                                                                                                                machine [274,75], machine's [10,3], machines [16,4] giant [265,73], giant's [16,4], giants [18,5]
                            GIANT
                          PAST
OVEN
BURN
LAND
SCRATCH
WISH
CRANE
GREAT
ROW
SHARP
MAGIC
HOPE
CRACKER
TICK
LOVELY
PLANT
MOVIE
SPACE
SLIPPER
WAGON
                                                                                                                                                                                                                                                                                                                               burn [162,44], burned [47,13], burning [46,13], burns [9,2], burnt [33,9] land [191,52], landed [64,18], landing [33,9], lands [9,2] scratch [192,53], scratched [46,13], scratches [14,4], scratching [39,11], scratchy [6,2] wish [276,76], wished [8,2], wishes [4,1], wishing [8,2] crans [24,78], greates [6,2] greate [87,9], greates [6,2] subject [37,9], sharpen [16,2], sharpen [17,2], sharpen [17,2], sharpen [17,2], sharpen [17,2], boped [8,2], magician [7,2] hope [27,573], loped [8,2], magician [7,2] cracker [185,53], cracker [180,52] greater [16,29] tick [271,74], ticker [4,1], ticking [6,2], ticks [9,2]
                                                                                                                                                                                                                                                                                                                                plant [159,44], planted [10,3], planting [15,4], plants [104,29] movie [229,63], movies [59,16]
                                                                                                                                                                                                                                                                                                                                slipper [94,26], slipper's [4,1], slippers [189,52]
wagon [268,74], wagon's [6,2], wagons [13,4]
daisy [282,77], daisies [5,1]
                            DAISY
                          BET
ACTUALLY
AMBULANCE
                                                                                                                                                                                                                                                                                                                                  shape [151,41], shaped [9,2], shapes [125,34]
ambulance [279,77], ambulances [5,1]
cloud [164,45], cloud's [3,1], clouds [102,28], cloudy [13,4]
shark [199,55], shark's [4,1], sharks [79,22]
                                                                                                          285
284
282
                            CLOUD
                            SHARK
                                                                                                          282
282
                            BROOM
 754
755
                            CARRIAGE
                                                                                                        281
                                                                                                                                                                                                                                                                                                                                  carriage [221,61], carriages [60,16]
                            JAM
                                                                                                          281
 756
757
                            CORN
PERSON
                                                                                                          281
280
                                                                                                                                                                                                                                                                                                                                person [239,66], person's [10,3], persons [31,9] cool [249,68], cooled [18,5], cooler [4,1], cooling [5,1], cools [4,1] tall [205,56], taller [63,17], tallest [11,3]
   758
759
                            COOL
TALL
                                                                                                          280
                                                                                                          279
279
279
278
278
277
277
276
275
275
274
273
272
268
267
267
267
266
266
266
265
                                                                                                                                                                                                                                                                                                                                ata [20,30], atter [05,17], attest [11,5]
drum [24,68], drums [31,9]
goo [258,71], gooey [21,6]
hooray [176,48], hurrah [58,16], hurray [44,12]
comer [26,272], corners [16,4]
kite [263,72], kites [15,4]
string [260,71], strings [17,5]
                          DRUM
GOO
HOORAY
CORNER
KITE
STRING
TOOT
EVER
IDEA
STAMP
TISSUE
COMB
MIRROR
COCK
WEEK
ALSO
   760
761
762
763
764
765
766
767
770
771
772
773
774
775
776
777
778
779
780
781
782
                                                                                                                                                                                                                                                                                                                                idea [269,74], ideas [7.2] stamp [160,44], stampin [25.7], stamps [90,25] tissue [230,63], tissues [451,2] combing [18,5] mirror [256,70], mirrors [18,5] cock [249,63], cock [47,64] week [226,62], weeks [46,13]
                             SQUASH
                                                                                                                                                                                                                                                                                                                                    squash [125,34], squashed [78,21], squashes [8,2], squashing [32,9], squashy [25,7]
                                                                                                                                                                                                                                                                                                                                squash [12,5,4], squashed [78,21], squashes [8,2], squashing [32,9], squashy [25,7] till [146,40], til [21,33] shaker [11,3], shakers [12,3], shakin [10,3], shaking [29,8], shaky [5,1], shook [13,4] smoke [238,65], smoke's [5,1], smokin [4,1], smoking [16,4], smoky [4,1] candle [139,38], candles [127,35] band [239,66], bands [27,7] pepper [255,70], peppers [11,3] beat [20,97], beater [16,4], beaters [4,1], beatin [8,2], beating [21,6], beats [7,2] lolly [22,3,61], billies [42,12] banders [12,6], backers [18,8]
                             SHAKE
SMOKE
                            CANDLE
                            BAND
PEPPER
   783
                            BEAT
                            LOLLY
   784
                                                                                                          265
                                                                                                                                                                                                                                                                                                                                  iony [225,61], ioines [42,12]
bucket [236,65], buckets [28,8]
lollipop [242,66], lollipops [22,6]
pan [232,64], pans [31,9]
bum [255,70], bum's [3,1], bums [5,1]
   785
786
787
                            BUCKET
                                                                                                        264
264
                            LOLLIPOP
                            PAN
BUM
                                                                                                          263
                                                                                                          263
                            MEDICINE
NECK
   789
790
                                                                                                          263
262
                                                                                                                                                                                                                                                                                                                                  neck [252,69], necks [10,3]
```

```
GAS
                                                                                                                                                                 ZEBRA
                                                                                                                                                                                                                                                                           zebra [226,62], zebra's [4,1], zebras [30,8]
  793
                       MIDDLE
                                                                                        260
                      BATTERY
NAIL
WHISTLE
                                                                                                                                                                                                                                                                        battery [148,41], batteries [104,29], batterys [7,2] nail [103,45], mails [96,26] whistle [216,59], whistles [28,8], whistling [12,3] triangle [227,62], whistles [31,1], whistles [28,8], whistling [12,3] triangle [227,62], whistles [32,9] charles [32,9] charles [32,9] charles [32,9], chew [10,28], chewed [12,6], chewin [6,2], chewin [6,2], chewin [6,2], chew [5,1], chew [24,7], donksy [13,3], donksy [19,5] jacket [24,66], jackets [13,4] saver [181,50], saver [13,4], saver [181,50], saver [14,61], shime [3,1], shiming [130,36], shim [68,19], shone [8,2] towel [23], 63], towels [20,5] empty [243,67], emptied [3,1], emptying [5,1] match [151,41], matches [81,22], matching [18,5] horn [164,45], metted [31,1], emptying [5,1] smil [21,58], samils [39,11] woman [21,58], womans [8,2], women [28,8] doodle [22,46], doodles [23,6]
                                                                                                                                                                                                                                                                           battery [148,41], batteries [104,29], battery's [7,2]
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
                                                                                      259
259
259
259
256
255
254
251
251
250
250
249
247
247
246
245
244
244
244
                      TRIANGLE
CHEW
DOT
DOT
DONKEY
JACKET
SAVE
SHINING
TOWEL
EMPTY
MATCH
HORN
PIPE
SNAIL
WOMAN
DOODLE
CEREAL
TIDY
BODY
TICKET
PASS
SPELL
                                                                                                                                                                                                                                                                          tidy [18.1,50], tidied [18.5], tidying [47,13]
body [232,64], bodies [11.3], body's [3,1]
ticket [71,47], ticket's [3.1], tickets [71,19]
pass [18.10], passed [34.9], passing [29.8]
spell [19.55], spelled [5.1], spelling [3.1], spells [37,10]
board [233,64], boards [11.3]
smash [18.38], smashed [74.20], smasher [3,1], smashes [4,1], smashing [24,7]
                      BOARD
SMASH
PUNCH
818
819
820
821
822
                                                                                        243
243
                                                                                                                                                                                                                                                                           punch [198,54], punched [22,6], punches [5,1], punching [18,5] strong [215,59], stronger [17,5], strongest [11,3]
                       STRONG
                                                                                        243
                       HALF
                                                                                        243
823
824
825
                       LEMON
FLAT
                                                                                        242
242
                                                                                                                                                                                                                                                                            lemon [210,58], lemons [32,9]
flat [231,63], flatten [3,1], flattened [8,2]
                       THIRTY
                                                                                        242
826
827
828
                                                                                                                                                                                                                                                                            seed [92,25], seeds [149,41]
                       SEEDS
                                                                                        241
                                                                                                                                                                                                                                                                           pram [218,60], prams [23,6]
                       PRAM
MAD
                                                                                        241
241
                                                                                                                                                                                                                                                                          rip [96,26], ripped [118,32], ripping [19,5], rips [6,2] slow [143,39], slower [10,3], slowing [6,2], slowly [80,22] music [225,62], musical [14,4]
                       RIPPED
 829
                    SLOW
MUSIC
SOAP
FOX
SPECIAL
MARK
SQUEEZE
CRAB
BURGER
NAP
FRIDGE
CRUNCH
TRUNK
SQUIRREL
BASH
BAKE
NAPKIN
BEST
ZOOM
830
831
832
833
834
835
836
837
838
840
841
842
843
844
845
846
847
                                                                                      239
239
238
238
237
237
237
236
235
234
234
233
231
231
230
230
                                                                                                                                                                                                                                                                        salos [12-52], austical [14-4]
soup [22-8,63], soupy [11.3]
fox [215.93], foxy [23.6]
special [22-8,63], soupy [11.3]
fox [215.93], foxy [23.6]
special [22-8,63], specially [10.3]
mark [17-2,7], marks [9.2], marker [13.4], markers [17.5], marking [9.2], marks [17.5]
squeezer [192.53], squeezered [15.4], squeezers [7.2], squeezing [23.6]
erab [192.55], erabs [7.2], crabs [31.9]
hamburger [73-20], burger [120.33], burgers [15.4], hamburgers [28.8]
nap [27.62], maps [8.2]
retrigerator [30.44], findge [178.49], fridges [6.2]
erunch [150.41], erunched [18.5], erunching [20.5], erunchy [46.13]
tmix [21.25,8], trunks [22.6]
squirred [176.48], squirrets [6.2], squirrets [51.14]
bash [18.65,1], bashed [28], bashing [18.5]
bake [85.23], baked [50.14], baker [36.10], bakers [5.1], bakery [6.2], baking [49.13]
napkin [178.49], napkins [53.15]
848
849
850
                                                                                                                                                                                                                                                                           zoom [221,61], zoomed [4,1], zooming [5,1]
                       CHEEKY
                                                                                      229
226
                                                                                                                                                                                                                                                                          hill [216,59], hills [10,3]
bicycle [216,59], bicycles [10,3]
sweep [136,37], sweeper [19,5], sweeping [70,19]
easy [176,48], easier [22,6], easily [27,7]
chimney [213,58], chimneys [12,3]
stone [117,32], stones [106,29]
 851
                       HILL
                       BICYCLE
SWEEP
 852
853
                                                                                        226
225
 854
                       EASY
                                                                                      225
225
 855
                       CHIMNEY
 856
857
                       STONE
                                                                                        223
223
                       RICE
FRUIT
                                                                                                                                                                                                                                                                           fruit [208,57], fruits [10,3], fruity [4,1]
858
859
860
861
862
863
864
865
866
870
871
872
873
874
875
876
877
878
879
880
881
881
882
883
                      SPAGHETTI NURSERY DREAM PACK HOSPITAL ONCE PIN BEDROOM PURSE POUNDS QUEEN EACH PEACH STUPIN HUM GROUND UMBRELLA GINGER YEARS WRAP
                                                                                      222
221
221
221
220
219
219
218
218
217
217
217
216
215
214
212
212
212
                                                                                                                                                                                                                                                                          dream [113,31], dreamed [53,15], dreaming [24,7], dreams [31,9] pack [139,38], package [30,8], packed [18,5], packing [27,7], packs [7,2] hospital [218,60], hospitals [3,1]
                                                                                                                                                                                                                                                                          pin [220,60]
bedroom [211,58], bedrooms [8,2]
purse [216,59], purses [3,1]
pound [93,26], pounds [125,34]
queen [197,54], queen's [13,4], queens [8,2]
                                                                                                                                                                                                                                                                           peach [174,48], peaches [43,12]
                                                                                                                                                                                                                                                                          umbrella [188,52], umbrella's [6,2], umbrellas [21,6] ginger [208,57], ginger's [6,2] year [97,27], years [115,32] wrap [131,36], umwap [6,2], wrapped [38,10], wrapp wolf [197,54], wolf's [7,2], wolves [8,2] belly [207,57], bellies [5,1]
                                                                                                                                                                                                                                                                                                                                                                                                ed [38,10], wrapper [5,1], wrapping [28,8], wraps [4,1]
                       WOLF
                       BELLY
                                                                                        212
212
                       DISH
                                                                                                                                                                                                                                                                           dish [109,30], dishes [102,28]
                        APART
                                                                                      211
                                                                                                                                                                                                                                                                           pancake [83,23], pancakes [127,35] slip [110,30], slipped [43,12], slipping [30,8], slippy [20,5], slips [6,2] goose [175,48], geese [34,9] witch [170,47], witch's [9,2], witches [29,8]
                                                                                      210
209
209
208
 884
885
                       PANCAKE
SLIP
 886
887
                       GOOSE
WITCH
                                                                                                                                                                                                                                                                           which [170,47], which [57,2], which [5,2], wish [6,2], sinks [4,1], sunk [5,1] rope [188,52], ropes [15,4], roping [5,1] straight [190,52], straighten [8,2], straighter [8,2]
                       SINK
ROPE
STRAIGHT
 888
889
                                                                                        208
208
 890
891
                                                                                     206
205
                        SCREWDRIVER
                      BOING
GLOVES
SMACK
                                                                                                                                                                                                                                                                          glove [91,25], gloves [113,31]

smack [164,45], smacked [27,7], smacking [8,2], smacks [5,1]

salt [195,53], salty [9,2]

that [187,51], hatted [7,2], hattes [8,2]

cuddle [169,46], cuddles [3,1], cuddling [8,2], cuddly [21,6]

bb[ 187,51], bbs [14,4]

beauty [23,6], beautiful [177,49]

gry [176,48], gavy [24,7]

voice [179,49], voices [21,6]

straw [177,49], straws [22,6]

short [183,50], shorter [16,4]

rainbow [189,52], rainbows [10,3]
892
893
894
895
896
897
898
899
900
901
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903
904
905
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911
                                                                                        205
204
204
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199
197
197
197
197
197
196
196
195
195
                      SMACK
SALT
HATE
CUDDLE
BIB
BEAUTIFUL
GREY
VOICE
STRAW
SHORT
RAINBOW
PROBABLY
PUPPET
STRIPE
                                                                                                                                                                                                                                                                        puppet [159,44], puppets [4,1], puppets [35,10]

stripe [29,8], striped [21,6], stripes [19,33], stripy [28,8]

tear [125,34], tearing [82], tears [27,7], tore [21,6], torn [16,4]

hook [169,46], hooked [11,3], hookin [3,1], hooks [14,4]

world [194,53], worlds [3,1]

sign [164,45], signed [9,2], signs [23,6]

couch [189,52], couches [7,2]

alligator [155,43], alligators [8,2], alligators [32,9]

merry [169,46], merrily [26,7]

barn [191,52], barns [4,1]
                       TEAR
HOOK
                        WORLD
SIGN
                       COUCH
  912
 913
914
                        ALLIGATOR
MERRY
 915
                       BARN
                        THIRTEEN
 916
917
                        NONE
                       GLUG
CRACK
  918
                                                                                                                                                                                                                                                                           crack [124,34], cracked [42,12], cracking [22,6], cracks [6,2]
 919
 920
                       SAUCE
                                                                                                                                                                                                                                                                            ghost [177,49], ghosts [16,4]
cough [130,36], coughed [8,2], coughin [5,1], coughing [49,13]
 921
922
                       GHOST
COUGH
```

```
wave [135,37], waved [8,2], waves [25,7], waving [24,7] miil [189,52], mailed [3,1] seal [159,44], seals [32,9] ship [170,47], ships [21,6] gramy [710,47], ships [21,6] gramy [710,47], gramy's [21,6] heart [143,39], hearts [46,13] chase [108,49], chased [15,4], chases [5,1], chasing [61,17] rocket [180,49], rockets [4,1], rockets [5,1] fold [150,41], folded [18,5], folding [17,5], folds [3,1] hen [135,43], hen's [6,2], hense [27,7] belt [179,49], belts [9,2] folds [16,4], folded [18,5], folding [17,5], folds [1,5], folding [17,5], folds [3,1] hen's [6,2], hense [27,7] belt [179,49], belts [9,2] folds [1,5], folding [17,5], folds [1,5], folding [17,5], folds [4,1], motors [4,1], motors [4,1]
                         WAVE
                                                                                                                                                                                  924
                         MAIL
                         SEAL
                                                                                                 191
191
925
926
927
928
929
930
931
932
933
934
935
936
937
940
941
942
943
944
945
947
948
949
950
                         HOLIDAY
                        SHIP
GRANNY
HEART
                                                                                                 191
191
189
189
188
188
187
187
187
186
186
184
184
183
183
183
                        CHASE
ROCKET
FOLD
                      FOLD
HEN
BELT
LUCKY
MOTOR
DUMB
PRINCE
TROUBLE
ANT
TOOLS
SIR
BEER
SHOWER
CONTROLLER
SUITCASE
BULL
FAIR
                                                                                                                                                                                                                                                                                                      prince [89,24], princess [94,26], princesses [3,1] trouble [183,50], troubles [3,1] ant [90,25], ants [95,26] pet [163,45], pets [21,6]
                                                                                                                                                                                                                                                                                                       tool [80,22], tools [103,28]
                                                                                                                                                                                                                                                                                                       shower [178,49], showers [4,1] control [24,7], controller [149,41], controllers [3,1], controls [5,1] suitcase [163,45], suitcases [18,5] bulls [171,49], bulls [4,1]
                                                                                                                                                                                                                                                                                                       fair [174,45], buils [4,1]
                         FAIR
                         TONIGHT
NURSE
                                                                                                                                                                                                                                                                                                       nurse [162.44], nurse's [3.1], nurses [14.4]
 953
                         SUPER
                                                                                                                                                                                                                                                                                                      wing [70,19], wings [108,30], skip [122,33], skippel [8,2], skipping [31,9], skips [17,5] cushion [145,40], cushions [33,9] allow [5,1], allowed [172,47] smile [123,34], smiled [4,1], smiles [4,1], smilin [5,1], smiling [41,11]
954
955
956
957
                           WINGS
                         SKIP
CUSHION
                         ALLOWED
 958
                         SMILE
                           WELCOME
 959
                                                                                                 177
176
176
176
175
175
174
174
174
174
173
172
171
171
170
169
169
169
168
168
                                                                                                                                                                                                                                                                                                       uncle [171,47], uncle's [5,1]
                         UNCLE
                      SHED
CHURCH
PLUM
JINGLE
WIN
SQUEAK
CLASS
WHOOSH
RADIO
PARCEL
OCTOPUS
SURPRISE
PONY
SHADOW
                                                                                                                                                                                                                                                                                                      plum [90,25], plums [85,23]
                                                                                                                                                                                                                                                                                                      \label{eq:wine_problem} \begin{array}{ll} win [174.48] \\ squeak [105.29], squeaking [15.4], squeaks [25.7], squeaky [29.8] \\ class [168.46], classes [6.2] \\ \end{array}
                                                                                                                                                                                                                                                                                                    parcel [112,31], parcels [61,17]
octopus [165,45], octopuses [7,2]
surprise [142,39], surprised [20,5], surprises [9,2]
surprise [142,39], surprised [20,5], surprises [9,2]
surprise [142,39], surprised [20,5], surprises [9,2]
shadow [160,44], shadows [11,3]
shadow [160,44], shadows [11,3]
shadow [167,46], hurrying [4,1]
scoop [155,43], scoop [3,1], scooped [3,1], scooping [5,1], scoops [4,1]
drawer [14,39], drawers [28,8]
pudding [152,42], pud [7,2], puddin [10,3]
cage [155,43], cages [14,4]
   970

971

972

973

974

975

976

977

978

979

980

981

982

983
                         HURRY
BAR
SCOOP
DRAWER
                         PUDDING
                           CAGE
ANGRY
                                                                                                                                                                                                                                                                                                       dolphin [139,38], dolphins [29,8]
                         DOLPHIN
                         BASEBALL
   984
985
                                                                                                 167
166
                                                                                                                                                                                                                                                                                                      wiggle [97,27], wiggles [5,1], wiggling [6,2], wiggly [58,16]
barrel [112,31], barrels [54,15]
motorcycle [151,41], motorcycles [15,4]
ache [157,43], aches [9,2]
                            WIGGLE
986

987

988

989

990

991

992

993

994

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10
                         BARREL
                                                                                                 MOTORCYCLE
                         ACHE
QUITE
                                                                                                                                                                                                                                                                                                         sunday [157,43], sundays [8,2]
                         SUNDAY
                                                                                                                                                                                                                                                                                                      sumay (1-7/-1), sumays (1-7), circuses [3,1] spin [86,24], spinner [7,2], spinnin [4,1], spinning [59,16], spins [8,2] parrot [148,41], parrots [16,4]
                         CIRCUS
                         SPIN
PARROT
                      UNTIL
EASTER
DIAPER
DIAPER
COCKING
TONGUE
MARBLES
SEW
CHERRY
CASE
SUIT
LEAF
PETROL
TUB
CAMPING
CAMERA
PYJAMAS
MONDAY
                                                                                                                                                                                                                                                                                                       diaper [125,34], diapers [38,10]
                                                                                                                                                                                                                                                                                                    rocker [12.3], rockin [4.1], rocking [146,40] tongue [158,43], tongues [4.1] marble [75.21], marbles [86.24] sew [10.28], sewed [5.1], sewing [49,13], sews [6,2] cherry [101.28], cherries [60.16] case [15.41], cases [10.3] said [15.442], suits [7.2] leaf [157.43], sewed [4.1] petrol [158,43], petrol's [3.1]
                                                                                                                                                                                                                                                                                                       camp [54,15], camper [10,3], campers [3,1], campin [13,4], camping [80,22]
                                                                                                                                                                                                                                                                                                      pyjamas [26,7], pajama [17,5], pajamas [116,32]
monday [124,34], mon [30,8], mondays [5,1]
clip [141,39], clippers [8,2], clips [10,3]
choose [149,41], choosing [4,1], chose [6,2]
 1011
                         CLIP
CHOOSE
 1014
                         INSTEAD
                                                                                                                                                                                                                                                                                                      blood [140,38], bloody [18,5]
 1015
                         BLOOD
 1016
1017
                         HAY
                         BEADS
                                                                                                                                                                                                                                                                                                       bead [65,18], beads [92,25]
                                                                                                                                                                                                                                                                                                      tead (to.1,18), Feats (92,2-5)
belong [97,27], belongs [60,16]
soft [145,40], softer [5,1], softly [7,2]
curl [2.16], curled [3,1], curler [7,2], curls [14,4], curly [110,30]
flag [119,33], flags [36,10]
dust [100,27], duster [9.2], dusting [12,3], dusty [33,9]
stir [140,38], stirred [3,1], stirring [11,3]
 1018
                        BELONG
 1019
                         SOFT
 1020
                         CURL
FLAG
                                                                                                 155
154
154
154
153
153
153
153
155
151
151
150
149
149
149
149
148
148
148
 1021
 1022
                         DUST
STIR
 1023
                        STIR
GARBAGE
BOT
CRAWL
ONION
CHALK
ALONE
SHOO
SPEAK
STOOL
LOAD
COACHES
VIDEO
TENT
MAT
SALAD
FRIGHTENED
SKATING
 1024
1025
                                                                                                                                                                                                                                                                                                         crawl [93,26], crawled [8,2], crawlies [5,1], crawling [27,7], crawls [11,3], crawly [9,2]
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
                                                                                                                                                                                                                                                                                                         onion [110,30], onions [43,12]
chalk [131,36], chalks [22,6]
                                                                                                                                                                                                                                                                                                      speak [96,26], speaker [17,5], speakin [8,2], speaking [27,7], spoken [3,1] stool [147,40], stools [4,1] load [42,12], loader [12,3], loading [9,2], loads [82,22], unload [5,1] coaches [110,30] video [132,36], video's [3,1], videos [14,4] tent [139,38], kents [10,3] mat [144,39], mats [5,1]
                                                                                                                                                                                                                                                                                                      fright [19,5], frighten [54,15], frightened [65,18], frightening [6,2], frightens [4,1] skate [39,11], skated [8,2], skates [37,10], skating [64,18] pumpkin [128,35], pumpkin [20,5] thumb [133,37], thumbs [13,4] tack [139,38], tacked [9,2]
                         SKATING
PUMPKIN
 1041
 1042
1043
                         THUMB
TUCK
                           TWINKLE
 1044
 1045
                         SECOND
                                                                                                 148
148
                                                                                                                                                                                                                                                                                                      point [75,21], pointed [6,2], pointer [8,2], pointin [3,1], pointing [33,9], points [15,4], pointy [7,2] meet [75,21], meeting [34,9], meetings [4,1], meets [6,2], met [30,8] shouts [3,1], shouts [3,1], shouts [3,1], shouts [3,1], cupboards [4,1], pricks [10,7], pricks [10,7], pricks [10,7], pricks [10,7], pricks [10,7], towards [4,1], robot [10,3,6], robots [16,4], were [13,3,6], robots [16,4], were [13,3,6], robots [13,3].
                         POINT
 1047
                                                                                                 147
1048
                         MEET
                                                                                                 147
                         SHOUT
CUPBOARD
 1049
 1050
 1051
                         PICKLE
                                                                                                 146
146
 1052
                         ROBOT
                                                                                                                                                                                                                                                                                                         worry [135,37], worried [11,3]
follow [71,19] followed [4,1], followin [5,1], following [57,16]
 1053
1054
                         WORRY
FOLLOW
                                                                                                 146
145
```

```
camel [132,36], camels [13,4]
elick [127,35], clicked [9,2], clicking [8,2]
cot [141,39], cots [3,1]
kitten [85,23], kittens [58,16]
bulldozer [142,39]
bun [89,24], buns [53,15]
1055 CAMEL
1056 CLICK
                                                                                                                    1057
                COT
KITTEN
                                                               144
1058
                                                               143
142
1059
                BULLDOZE
               BUN
NECKLACE
                                                               142
141
                                                                                                                                                                                                 necklace [126,35], necklaces [15,4]
1061
                                                                                                                                                                                               necklace [126,35], necklaces [15,4] magazines [3,54], mag [4,1], magazines [5,1], freeze [22,6], freeze [61,0], freezin [7,2], freezin [35,10], froze [3,1], frozen [13,4] curtain [46,13], curtains [94,26] grap [84,23], grabbed [29,8], grabber [10,3], grabbin [3,1], grabby [8,2], grabs [6,2] zip [96,26], zapper [44,12] conce [107,29], conce [307,29], saturday [36,37], saturdays [4,1]
             MAGAZINE
FREEZER
CURTAIN
GRAB
ZIP
CONE
SATURDAY
AWAKE
FRIDAY
RAISINS
JUNGLE
PROPERLY
WOBBLE
SHOULDERS
PIRATE
TURKEY
PASTA
DANGER
MASHED
1062
1063
1064
1065
1066
1067
1068
1070
1071
1072
1073
1074
1075
1076
1077
1078
                                                               141
140
140
140
140
140
140
139
138
137
137
137
137
                                                                                                                                                                                               friday [129,35], fri [6,2], fridays [4,1]
raisin [52,14], raisins [86,24]
                                                                                                                                                                                               proper [22,6], properly [115,32] wobble [51,14], wobbled [4,1], wobbles [7,2], wobbling [8,2], wobbly [67,18] shoulder [65,18], shoulder [72,20] pinte [108,30], pirates [29,8]
                                                                                                                                                                                              danger [37,10], dangerous [99,27]
mash [57,16], mashed [73,20], mashing [6,2]
send [98,27], sending [4,1], sent [34,9]
gold [98,27], golden [38,10]
sort [123,34], sorts [13,4]
thirst [4,1], thirsty [131,36]
flash [57,16], flashing [78,21]
princh [107,29], pinched [15,4], pinching [13,4]
clapp [11,722], clapping [13,4], claps [5,1]
snack [120,33], snacks [15,4]
1080
1081
                SEND
                GOLD
                SORT
                THIRSTY
1085
                FLASHING
                PINCH
1087
                CLAP
                  SNACK
1089
                RUFF
                CORNFLAKES
                                                                                                                                                                                                cornflake [9,2], cornflakes [125,34]
                                                               134
1091
                SHELF
                                                                                                                                                                                                shelf [113,31], shelves [21,6]
rod [122,33], rod's [7,2], rods [5,1]
                ROD
TRAFFIC
1093
                BAM
SHELL
                                                               134
133
132
131
131
131
130
130
130
130
130
129
128
128
128
                                                                                                                                                                                               shell [83,23], shells [50,14] job [109,30], jobs [23,6] shovel [122,33], shovels [10,3] bend [81,22], bended [7,2], bending [7,2], bendy [11,3], bent [25,7] five [98,27], firry [33,9] hose [127,35], hoses [4,1]
              SHELL
JOB
SHOVEL
BEND
FUR
HOSE
WIGHT
PUFF
TRIP
POPCORN
DIZZY
AIRPORT
ACCIDENT
RUB
NEWSPAPER
PLASTER
LEGO
                                                                                                                                                                                               \begin{array}{l} puff \ [63,17], puffed \ [38,10], puffer \ [7,2], puffing \ [22,6] \\ trip \ [97,27], tripped \ [26,7], trips \ [7,2] \end{array}
                                                                                                                                                                                               rub [95,26], rubbed [5,1], rubbing [29,8]
newspaper [107,29], newspapers [22,6]
plaster [105,29], plasters [23,6]
lego [110,30], legoland [5,1], legos [13,4]
hundred [118,32], hundreds [10,3]
               LEGO
HUNDRED
FEW
1112
1113
                CRICKET
                                                                                                                                                                                               passenger [38,10], passengers [89,24] doughnut [65,18], donut [13,4], donuts [10,3], doughnuts [39,11] fill [86,24], filled [20,5], filler [3,1], filling [14,4], fills [4,1] peck [99,27], peckin [4,1], pecking [24,7] helmet [115,32], helmets [12,3]
                PASSENGER
                DOUGHNUT
1116
1117
                FILL
PEEK
1118
1119
               HELMET
                                                               127
1120
1121
                TOWN
CLEVER
             BEDTIME
MOUNTAIN
TAXI
WITHOUT
POND
IRON
TRAP
HAM
RUG
DUMMY
CHUG
SKIN
NOODLES
TEAPOT
SNEAK
SNOT
POCKETBOOK
CUTE
FROSTY
LEARN
BESIDE
                                                               127
126
126
126
126
125
125
124
124
124
122
122
121
121
121
121
120
120
1123
1124
1125
1126
1127
1128
1129
1130
1131
1132
1133
1134
1135
1136
1137
1138
1139
1140
1141
1142
                                                                                                                                                                                                mountain [115,32], mountains [11,3]
taxi [121,33], taxis [5,1]
                                                                                                                                                                                               trap [64,18], trapped [56,15], traps [5,1]
                                                                                                                                                                                               rug [120,33], rugs [4,1]
                                                                                                                                                                                                skin [118,32], skins [5,1]
noodle [33,9], noodles [89,24]
                                                                                                                                                                                                 sneak \ [21,6], sneaked \ [13,4], sneaker \ [13,4], sneakers \ [60,16], sneaking \ [3,1], sneaky \ [5,1], snuck \ [6,2], snoty \ [36,10]
                                                                                                                                                                                               frost [3,1], frosting [25,7], frosty [92,25]
learn [68,19], learned [32,9], learning [16,4], learnt [4,1]
beside [81,22], besides [39,11]
early [111,30], earlier [9,2]
paw [63,17], paws [56,15]
1143
                EARLY
                PAW
1144
1145
1146
1147
                STEADY
                                                                                                                                                                                               sail [49,13], sailing [30,8], sailor [31,9], sails [8,2]
safe [85,23], safely [10,3], safer [4,1], safety [19,5]
squirt [91,25], squirted [10,3], squirter [4,1], squirting [9,2], squirts [4,1]
                SAIL
                SAFE
1148
1149
                SOUIRT
                                                                                                                                                                                                 squirt [91,25], squirted [10
bank [110,30], banks [8,2]
                BANK
1150
                MASK
                                                                                                                                                                                                mask [112,31], masks [6,2]
1151
                SOFA
                                                               118
                BEGINNING
ACROSS
                                                                                                                                                                                               begin [27,7], began [7,2], beginning [72,20], begins [11,3]
                                                                                                                                                                                               act [11,3], acting [4,1], action [101,28] steal [55,15], stealing [9,2], steals [7,2], stole [36,10], stolen [9,2] hedgehog [107,29], hedgehogs [9,2]
1154
                ACT
STEAL
               HEDGEHOG
STOVE
CLAY
FLUFF
PLUG
POWER
PILE
DIESEL
MARCH
SCOOTER
BURP
PEEKABOO
POSED
BUSH
HOOVER
NEAT
1156
1157
                                                                                                                                                                                               fluff [62,17], fluffy [53,15]
plug [92,25], plugged [10,3], plugs [13,4]
power [103,28], powerful [5,1], powers [7,2]
pile [105,29], piles [10,3]
diesel [110,30], diesel's [5,1]
                                                                                                                                                                                                scoot [26,7], scooter [85,23], scooters [3,1]
burp [76,21], burped [21,6], burping [11,3], burps [5,1]
                                                                                                                                                                                               pose [26,7], posed [86,24]
bush [63,17], bushes [39,11], bushy [10,3]
hoover [95,26], hoovered [5,1], hoovering [12,3]
neat [102,28], neater [5,1], neatly [5,1]
               NEIGH
LIPS
FEATHER
PEEL
1172
                                                                                                                                                                                               lip [33,9], lips [78,21]
feather [73,20], feathers [38,10]
peel [101,28], peeled [5,1], peeling [5,1]
1176
1177
1178
                STOMACH
                HORRIBLE
               CRIB
LAMP
1179
                                                                                                                                                                                                lamp [96,26], lamps [14,4]
                                                                                                                                                                                               costume [96,26], costumes [14,4]
beard [103,28], beards [7,2]
captain [105,29], captains [5,1]
1180
                COSTUME
                                                               110
               BEARD
CAPTAIN
PIANO
MITTEN
1181
                                                               110
110
1182
1183
                                                               110
                                                                                                                                                                                                mitt [4,1], mitten [51,14], mittens [49,13], mitts [5,1]
1184
1185
1186
               JOKE
BARKING
                                                                                                                                                                                                 joke [32,9], joker [19,5], jokes [19,5], joking [39,11]
bark [43,12], barking [56,15], barks [10,3]
```

```
1187 TEST
                                                                                                                                                                                                          test [77,21], testing [32,9]
                                                                   109
109
109
109
108
108
108
108
107
107
106
106
106
106
106
105
105
105
                                                                                                                         1188 ZERO
1189
                 SEASIDE
1190
1191
1192
1193
                KETCHUP
CRAZY
HAWK
                                                                                                                                                                                                          \label{eq:hawk [40,11], hawks [68,19]} \\ melt [46,13], melted [30,8], melting [17,5], melts [15,4] \\ ink [97,27], inky [11,3] \\ pole [98,27], poles [10,3]
                 MELT
               INK
POLE
TWEET
MACARONI
BENCH
COLLECT
MEMBER
FEE
BOTHER
WIRE
PROBLEM
PLASTIC
KNICKERS
LONDON
FIREWORKS
TORTOISE
BASKETBALL
SELF
GUITAR
BATHROOM
1194
1195
1196
1197
1198
1199
1200
1201
1202
1203
1204
1205
1206
1207
1208
1209
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1212
1213
                                                                                                                                                                                                           collect [67,18], collected [5,1], collecting [24,7], collection [6,2], collects [5,1]
                                                                                                                                                                                                          bother [66,18], bothered [15,4], botherin [4,1], bothering [21,6] wire [72,20], wires [34,9] problem [96,26], problems [10,3] plastic [102,28], plastics [4,1] knickers [102,28], knicker [4,1]
                                                                                                                                                                                                           firework [44,12], fireworks [61,17]
                                                                                                                                                                                                           self [100,27], selves [4,1]
                 MUCK
                                                                                                                                                                                                           muck [77,21], mucky [25,7]
                 JAIL
BRIGHT
 1216
                 AFRAID
DELIVERY
                                                                                                                                                                                                          deliver [17,5], delivered [6,2], delivering [20,5], delivery [58,16] scribble [51,14], scribbled [18,5], scribblin [4,1], scribbling [28,8] sneeze [64,18], sneezed [10,3], sneezes [8,2], sneezing [19,5]
 1218
                 SCRIBBLE
                 SNEEZE
                QUARTER
FLIP
BUGGY
LEMONADE
                                                                                                                                                                                                          Sneeze [04,16], Sneezee [17,5], and graph [2,8,8] flip [78,21], flipped [10,3], flippin [4,1], flipping [5,1], flips [4,1] buggy [95,26], buggies [6,2]
1221
                                                                   101
                                                                   101
 1223
                                                                                                                                                                                                          fry [21,6], fried [20,5], fries [48,13], frying [11,3] valentine [79,22], valentine's [10,3], valentines [11,3] ribbon [83,23], ribbon [17,5] orders [87,24], orders [67,2] windmil [89,24], windmils [11,3] summer [95,63], summer [95,61] honk [97,27], honking [3,1]
                FRY
VALENTINE
RIBBON
ORDER
WINDMILL
SUMMER
HONK
JELLO
POKE
WOOL
TAPIOCA
GLAD
FREE
DEER
NIPS
BOLT
MEASURE
STROKE
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1230
1231
1232
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1234
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1236
1237
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1239
1240
1241
1242
1243
                                                               poke [71,19], poked [6,2], poker [7,2], pokes [4,1], poking [11,3] wool [87,24], woolly [12,3]
                                                                                                                                                                                                         nip [34.9], nips [64.18]
bolt [71,19], bolts [27.7]
measure [76.21], measured [9.2],
stroke [38.23], stroking [15.4]
yoghurt [91.25], yoghurts [7.2]
motorhike [94.26], motorbikes [4],
powder [95.26], powdered [3.1]
needle [73.26], needles [24.7]
gorilla [81.22], gorillas [16.4]
sis [90.25], sis [7.2]
bunch [93.26], bunches [4.1]
trash [94.26], trashed [3.1]
                                                                                                                                                                                                                                                                          ed [9,2], measuring [13,4]
                YOGHURT
MOTORBIKE
POWDER
NEEDLE
1244
1245
1246
1247
                 GORILLA
1248
1249
                 HANDLE
BUNCH
                                                                                                                                                                                                           trash [94,26], trashed [3,1]
cab [94,26], cabs [3,1]
1250
1251
                 TRASH
                CAB
TOW
THUNDER
1252
1253
                                                                                                                                                                                                          clue [22,6], clues [74,20]
sword [80,22], swords [16,4]
bonk [89,24], bonked [7,2]
wide [92,25], wider [4,1]
tuesday [93,26], tues [3,1]
               CLUES
SWORD
BONK
WIDE
TUESDAY
DESSERT
AGO
MUSHROOMS
EXERCISE
PRETZEL
DIAMOND
OFFICE
BREAKDOWN
BELIEVE
SHAVE
RAT
LOBSTER
COMPUTER
SODA
RIVER
MAP
1254
1255
1256
1257
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1264
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1266
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                                                                                                                                                                                                          mushroom [46,13], mushrooms [49,13]
exercise [54,15], exercises [33,9], exercising [8,2]
pretzel [62,17], pretzels [33,9]
diamond [68,19], diamonds [27,7]
                                                                                                                                                                                                           shave [61,17], shaver [3,1], shaving [30,8] rat [67,18], rats [21,6], ratty [6,2] lobster [80,22], lobsters [14,4] computer [91,25], computers [3,1]
                 GINGERBREAD 94
1276
1277
1278
                 CARPET
                 CHEEK
                                                                                                                                                                                                          cheek [63,17], cheeks [30,8]
tap [77,21], tapping [6,2], taps [10,3]
size [79,22], sizes [14,4]
lightyear [87,24], lightyear's [6,2]
                 TAP
1279
                 SIZE
                 LIGHTYEAR
UNDERNEATH
 1281
1282
               ALIVE
AID
SWEATER
STARFISH
MIAOW
CEILING
BUMBLE
SELL
ARROW
KNOT
BOBBLE
BACON
DIVE
CUPCAKE
SON
TEND
SILVER
BUMPY
SUCK
ENVELOPE
HOOD
GROUP
                                                                                                                                                                                                           aid [69,19], aids [23,6]
1283
 1284
1285
                                                                                                                                                                                                           sweater [88,24], sweaters [4,1]
 1286
1287
 1288
1289
                                                                                                                                                                                                          \begin{array}{l} \text{sell [55,15], seller [8,2], selling [7,2], sells [15,4], sold [6,2]} \\ \text{arrow [65,18], arrows [26,7]} \\ \text{knot [78,21], knots [13,4]} \\ \text{bobble [85,23], bobbles [6,2]} \end{array}
                                                                                                                                                                                                          dive [53,15], dived [3,1], diver [9,2], diving [25,7] cupcake [72,20], cupcakes [18,5] son [74,20], sorny [8,2], sorns [8,2] tend [85,23], tending [5,1]
                                                                                                                                                                                                          suck [62,17], sucked [7,2], sucking [17,5], sucks [3,1] envelope [76,21], envelopes [13,4]
 1304
1305
                 BLESS
RHYMES
                                                                                                                                                                                                          rhyme [31,9], rhymes [57,16]
spit [75,21], spitting [13,4]
 1306
1307
                 SPIT
WEB
                 WATERMELON
 1308
 1309
1310
                 GOBBLE
                 CLOTH
                                                                                                                                                                                                          swallow [31,9], swallowed [56,15]
wed [37,10], wedding [47,13], weddings [3,1]
patch [83,23], patches [4,1]
                 SWALLOWED
1311
1312
                 WED
PATCH
1313
1314
                WIT
HUGE
1315
                                                                                                                                                                                                          cent [4,1], cents [82,22]
dip [69,19], dipped [8,2], dipper [6,2], dipping [3,1]
badge [80,22], badges [6,2]
                 CENTS
1316
                DIP
BADGE
```

```
\label{eq:spank spank 
1319 SPANK
1320 LOG
                                                                                                                                                                                                                                                       FAMILY
1321
1322
1323
                                 CHANNEL
RAILWAY
                                                                                                                                                                                                                                                                                                                                                                                                                          slug [50,14], slugs [34,9]
1324
                                 SLUG
BORROW
                                                                                                                                                                                                                                                                                                                                                                                                                        suag [20,14], situgs [34,9]
borrow [64,18], borrow ed [9,2], borrowing [11,3]
fizz [73,20], fizzy [11,3]
flashlight [76,21], flashlights [8,2]
blackcurrant [80,22], blackcurrants [4,1]
1325
                             FIZE LIGHT
FLASHLIGHT
BLACKCURRAN'
WINE
MELON
COUSIN
TREAT
STRANGE
JUNE
LIBRARY
YOGURT
WEASEL
FRESH
INVESTIGATOR
SPRAY
TAR
CITY
TAR
STEAM
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1343
                                                                                                                                                                                                                                                                                                                                                                                                                        cousin [65,18], cousins [18,5]
treat [67,18], treating [7,2], treats [9,2]
strange [70,19], stranger [7,2], strangers [6,2]
                                                                                                                                                                                                                                                                                                                                                                                                                          library [79,22], library's [3,1]
                                                                                                                                                                                                                                                                                                                                                                                                                        grocer [6,2], groceries [30,8], grocery [45,12] sleeve [47,13], sleeves [34,9] scream [56,15], screamin [7,2], screaming spray [58,16], sprayed [5,1], sprayin [8,2], spraying [10,3] tar [69,19], tars [12,3] (10,10], tilies [4,1]
                                    SCARE
                                    REINDEER
STEERING
                                                                                                                                                                                                                                                                                                                                                                                                                        steer [17,5], steering [63,17] sting [51,14], stinger [51,1], stinging [7,2], stings [4,1], stung [13,4] soldier [3,4], soldier [26,7] potent [55,15], boxed [25,7] retractingle [66,18], rectangles [14,4] principple [75,21], principples [5,1]
  1349
                                    STING
                                    SOLDIER
  1350
                                 BORING
RECTANGLE
PINEAPPLE
  1351
1352
  1353
                                                                                                                                                                                                                                                                                                                                                                                                                      whisker [10,3], whiskers [69,19] to [14,4], tots [65,18] moustache [35,10], mustache [44,12] skirt [72,20], skirts [7,2] fairy [75,21], fairies [4,1] hoop [36,10], hoops [42,12] puddle [53,15], puddles [25,7] copy [54,15], copyin [3,1], copying [21,6] loose [58,16], loosed [3,1], loosen [7,2], looser [10,3] hamster [66,18], hamsters [7,2] jeep [72,20], jeeps [6,2]
  1354
                                    LIPSTICK
WHISKERS
  1355
  1356
1357
                                    TOTS
MOUSTACHE
                               SKIRT
FAIRY
HOOP
PUDDLE
  1358
1359
                                 PUDDLE
COPY
LOOSE
HAMSTER
JEEP
PORRIDGE
CLOSET
BOMB
TREASURE
SHUSH
OIL
MOMENT
                                                                                                                                                                                                                                                                                                                                                                                                                          bomb [35,10], bomber [29,8], bombs [13,4]
                               MOMENT
LOO
DARLING
CHEEP
GENTLE
DEEP
                                                                                                                                                                                                                                                                                                                                                                                                                          gentle [23,6], gently [53,15]
deep [70,19], deeper [6,2]
                                    WINTER
  1378
1379
                                    TENNIS
                                                                                                                                                                                                                                                                                                                                                                                                                        dine [4,1], diner [4,1], dining [67,18]
paddle [27,7], paddling [48,13]
headache [61,17], stomachache [7,2], tummyache [7,2]
1380
1381
                                    DINING
PADDLING
1382
                                    HEADACHE
1383
1384
                                    POLAR
SPLINTER
                                                                                                                                                                                                                                                                                                                                                                                                                          splinter [64,18], splinters [10,3]
cave [66,18], caves [8,2]
secret [70,19], secrets [4,1]
1385
                               CAVE
SECRET
WRENCH
HALL
TWEENIES
PHOTOGRAPH
BLEEDING
CAP
SPONGE
VISIT
RESCUE
CABBAGE
FOREST
CLOP
CASH
TACOS
WEDNESDAY
PIT
CROWN
RESCUE
KENER
KEN
1386
1387
1388
1399
1390
1391
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1395
1396
1397
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1401
1402
1403
1404
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1407
                                                                                                                                                                                                                                                                                                                                                                                                                      tweenics [73,20] photographs [23,6], photographs [10,3], photos [17,5] bleed [26,7], bleedin [9,2], bleeding [38,10] cap [61,17], supp [12,3] sponge [64,18], sponges [9,2] visit [65,18], visitor [4,1], visitor [4,1] visitor [4,1] visitor [4,1] cabbage [67,18], cabbage [67,18], cabbage [6,2] forest [70,19], forests [3,1]
                                                                                                                                                                                                                                                                                                                                                                                                                          taco [30,8], tacos [42,12]
                                                                                                                                                                                                                                                                                                                                                                                                                        hunt [24,7], hunter [20,5], hunting [27,7]
kneel [32,9], kneeling [39,11]
boss [51,14], bossy [20,5]
most [61,17], mostly [10,3]
sunglasses [67,18], sunglass [4,1]
nest [68,19], nests [3,1]
  1408
                                    NEST
YARD
  1410
1411
                                    ROUNDABOUT
                                    MARKET
  1413
                                    DOUBLE
  1414
                                    CELERY
                                    RANGERS
                                                                                                                                                                                                                                                                                                                                                                                                                          ranger [31,9], rangers [39,11]
  1415
                                                                                                                                                                                                                                                                                                                                                                                                                        ranger [31.9], rangers [39,1.1]
cartoon [31.9], cartoons [30.11]
siren [52.14], sirens [18.5]
dime [56.15], dimes [14.4]
answer [56.15], answered [4.1], answering [10,3]
seagull [62.17], seagulls [8.2]
tray [66.18], trays [4.1]
                               CARTOONS
SIREN
DIME
ANSWER
SEAGULL
TRAY
CUCKOO
USUALLY
MUSCLES
FINGERNAIL
WEED
TOOTHBRUSH
THURSDAY
SINCE
OCEAN
MILKMAN
MARMALADE
GRACE
PRIZE
TOOTHPASTE
  1416
1417
  1418
  1419
1420
1421
1422
1423
1424
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1426
1427
1428
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1430
1431
1432
1433
1434
1435
                                                                                                                                                                                                                                                                                                                                                                                                                          usual [4,1], usually [65,18]
muscle [18,5], muscles [51,14]
fingernail [39,11], fingernails [30,8]
weed [48,13], weeds [21,6]
                                                                                                                                                                                                                                                                                                                                                                                                                        prize [62,17], prizes [6,2]
  1436
1437
                                 DELICIOUS
CEMENT
  1438
1439
                                    ABLE
RUSH
                                                                                                                                                                                                                                                                                                                                                                                                                        rush [46,13], rushed [7,2], rushing [14,4]
stocking [48,13], stockin [3,1], stockings
trolley [63,17], trolleys [4,1]
  1440
                                    STOCKING
1441
1442
                                    TROLLEY
RATTLE
1443
                                    PLAYGROUP
1444
                                    PILOT
1445
1446
1447
                                    LIFE
COUPLE
                               BEEF
TORCH
SHORTS
CUSTARD
                                                                                                                                                                                                                                                                                                                                                                                                                        torch [60,16], torches [6,2]
```

	DRIPPING DISAPPEARED	65 65	18 18	drip [26,7], dripped [5,1], dripping [29,8], drips [5,1] disappear [26,7], disappeared [39,11]
1453 1454	DALMATIANS NOWHERE		18 18	dalmatian [31,9], dalmatians [34,9]
1455 1456		65 65	18 18	
1457	GOOFY	64 64	18 18	goof [7,2], goofy [57,16] hiccup [26,7], hiccups [38,10]
1459 1460	LOOPS SUPPOSE	64 64	18 18	loop [30,8], loops [34,9] suppose [46,13], supposed [18,5]
1461 1462	SAUCER	64 64	18 18	saucer [49,13], saucers [15,4]
1.462			18	jet [53,15], jets [11,3] promise [57,16], promised [7,2]
1465	UPON	64	18 18	vacuum [59,16], vacuuming [5,1]
1466 1467	SCARECROW LOFT	64 64	18 18	
	LAKE IRONING	64 63	18 17	ironin [6,2], ironing [57,16]
	FLOP BRANCH	63 63	17 17	flop [31,9], flopped [7,2], floppy [20,5], flops [5,1] branch [46,13], branches [17,5]
1472 1473	SWITCH CLEAR	63 63	17 17	switch [49,13], switched [14,4] clear [52,14], cleared [4,1], clearing [7,2]
1474	PENIS	63 63	17 17	penis [54,15], penises [9,2] firetruck [55,15], firetrucks [8,2]
1476	UPSET	63	17 17 17	metuck [33,13], metucks [6,2]
1478	RAILROAD	63	17	
1479 1480	NET MAILMAN	63 63	17 17	
		63 63	17 17	
		63 63	17 17	
1485 1486	ARMY BOILED	63 62	17 17	boil [8,2], boiled [19,5], boiler [17,5], boiling [18,5]
1487	ITCH	62 62	17 17	itch [19,5], itches [7,2], itching [3,1], itchy [33,9] float [27,7], floated [8,2], floating [19,5], floats [8,2]
1489	MUFFIN	62 62	17 17	muffin [38,10], muffins [24,7] lump [39,11], lumps [15,4], lumpy [8,2]
1491	ALPHABET	62	17	alphabet [44,12], alphabets [18,5]
	GALLOP LIZARD	62 62	17 17	gallop [48,13], galloping [14,4] lizard [57,16], lizards [5,1]
1495	BATHTUB	62 62	17 17	dock [58,16], docks [4,1] bathtub [59,16], bathtubs [3,1]
1496 1497	WICKED TUNA	62 62	17 17	
1498 1499	SPREAD SETTEE	62 62	17 17	
1500	BRAKES	61 61	17 17	brake [16,4], brakes [45,12] strap [24,7], strapped [4,1], straps [33,9]
1502	MINT	61 61	17 17	mint [31,9], mints [27,7], minty [3,1]
1504	CIGARETTE	61	17	centre [41,11], center [17,5], central [3,1] cigarette [42,12], cigarettes [19,5]
	STACK	61 61	17 17	nickel [46,13], nickels [15,4] stack [47,13], stacking [14,4]
1508	SELLOTAPE	61 61	17 17	awful [50,14], awfully [11,3]
1509 1510	DESK BRAVE	61 61	17 17	
1511 1512	CRUMBS BAGEL	60 60	16 16	crumb [6,2], crumbs [54,15] bagel [40,11], bagels [20,5]
1513	LEOPARD HOSEPIPE	60 60	16 16	leopard [48,13], leopards [12,3] hosepipe [50,14], hosepipes [10,3]
	THROAT	60	16 16	
1517	SYRUP ROUGH	60	16	
1519	ELBOW	60	16 16	
1521	DIFFICULT	60 60	16 16	
1523	COLA COCOA	60 60	16 16	
	HOUR WAFFLE	59 59	16 16	hour [32,9], hours [27,7] waffle [37,10], waffles [22,6]
	RAMP SEEK	59 59	16 16	ramp [53,15], ramps [6,2]
1528 1529	POPPY NIGHTTIME	59 59	16 16	
1530	FOREVER ROOSTER	59 58	16 16	149 121
1532	MARRIED	58	16	rooster [48,13], roosters [10,3] marry [22,6], married [31,9], marrying [5,1]
1534	SUNFLOWER JAR	58 58	16 16	sunflower [43,12], sunflower's [4,1], sunflowers [11,3] jar [47,13], jars [11,3]
1535 1536	TURNTABLE STEAK	58 58	16 16	
1537 1538	MINI	58 58	16 16	
1539	CARWASH	58 57	16 16	sandal [12,3], sandals [45,12]
1541	PIGEONS JUGGLE	57 57	16 16	pigeon [21,6], pigeons [36,10] juggle [25,7], juggles [8,2], juggling [24,7]
10.40	DIT I	57 57	16	pill [38,10], pills [19,5]
1545	MAGNET	57	16 16	bracelet [41,11], bracelets [16,4] magnet [47,13], magnets [10,3]
1547	ANGEL DRILL	57 57	16 16	angel [48,13], angels [9,2] drill [49,13], drilling [8,2]
	DRILL PATTERN SMART YIPPEE	57 57	16 16	pattern [50,14], patterns [7,2] smart [54,15], smartest [3,1]
1550 1551	YIPPEE PHOOEY	57 57	16 16	
1552 1553	PHOOEY GIDDY ROSE RASPRERRY	57 56	16 15	rise [9,2], rises [9,2], rose [38,10]
		56	15 15	raspberry [31,9], raspberries [25,7]
1556	COIN	56	15	poison [31,9], poisoned [4,1], poisonous [21,6] coin [31,9], coins [25,7]
1558	PACKET	56 56	15 15	cube [37,10], packet [51,14], packets [5,1]
1559 1560	UDDER SLEIGH	56 56	15 15	
1561 1562	SLEIGH SESAME LANE HICKORY FLOUR FAN	56 56	15 15	
1563 1564	HICKORY FLOUR	56 56	15 15	
	FAN BORN	56	15 15	
1567	BORN DUNGAREES RULE	55	15	dungaree [4,1], dungarees [51,14]
1569	TEASING	55	15 15	rule [9,2], ruler [34,9], rules [12,3] tease [15,4], teasing [40,11]
1571	COLUCII	55 55	15 15	berry [25,7], berries [55,15] squish [25,7], squished [27,7], squishing [3,1]
1572 1573	TWIST BABE	55 55 55 55	15 15	twist [30,8], twisted [14,4], twisting [3,1], twisty [8,2] babe [33,9], babes [22,6]
1574	SITE PEG	55 55	15 15	site [34,9], sites [7,2], siting [14,4] peg [40,11], pegs [15,4]
1576	RHINO ROSES	55 55	15 15	rhino [45,12], rhinos [10,3] roses [49,13], rosy [6,2]
1570		55	15	roses [49,13], rosy [6,2] lofty [52,14], lofty's [3,1]
1579 1580	REGISTER ICING	55 55	15 15	
1501	COAL DISGUSTING	55 54	15 15	disgusting [54,15]

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month [15,4], months [39,11] vitamin [29,8], vitamins [25,7] pump [37,0], pumped [4,1], pumper [6,2], pumps [7,2] jolly [40,11], jolly's [1,4] pussycat [47,13], pussycats [7,2] gluck [49,13], glucks [5,13]
                  1584
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                 TEENY
SIMPLE
RHINOCEROS
PORCUPINE
HIND
CHEST
PAVEMENT
EDGE
SLICE
TUMBLE
PAIR
PLOP
VILLAGE
SIDEWALK
PAIL
LOW
FURNITURE
DICE
COCA
CARAVAN
GYM
VEGETABLES
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                                                                                                                                                                                                                                             pavement [53,15]
edge [42,12], edges [11,3]
slice [44,12], sliced [9,2]
tumble [46,13], tumbling [7,2]
pair [46,13], pairs [7,2]
plop [50,14], plopped [3,1]
                                                                                                                                                                                                                                             wreck [19,5], wrecked [21,6], wrecking [12,3] vegetable [19,5], vegetables [33,9] marshmallow [19,5], marshmallows [33,9] twin [20,5], wims [32,9] war [29,8], wars [23,6]
 1611
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1613
                    WAR
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                    WIFE
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                   BADGER
BACKSIDE
                                                                                                                                                                                                                                              sniff [11,3], sniffed [6,2], sniffin [3,1], sniffing [23,6], sniffy [8,2]
                   SNIFF
CHEER
1617
                                                                                                                                                                                                                                             cheer [19,5], shired [3,1], cheers [29,8]
spike [20,5], spiked [3,1], spikes [9,2], spiky [19,5]
vehicle [36,10], vehicles [15,4]
1618
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                    SPIKE
VEHICLE
                  CORD
CLUB
BOP
BEFILE
BARE
VEST
SWEETCORN
LAZY
GUARD
GOLF
FORE
AHEAD
AFTERNOON
CHEAT
ELECTRIC
RACCOON
STRETCH
LARGE
TRUMPET
1621
                                                                                                                                                                                                                                              cord [45,12], cords [6,2]
club [46,13], clubs [5,1]
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                                                                                                                                                                                                                                             beetle [37,10], beetles [13,4]
bare [44,12], barely [6,2]
                                                                                                                                                                                                                                             cheat [11,3], cheated [5,1], cheater [19,5], cheating [14,4] electric [30,8], electricity [19,5] reacons [13,4], raccons [13,4], raccons [14,1] stretching [10,3] stretching [10,3] large [43,12], larger [6,2] rumpet [46,13], trumpets [3,1]
                    TINKER
SACK
                    MUSTARD
1642
                   LIST
JELLYFISH
APRIL
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1646
1647
                    VET
CRUSH
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                    MOW
SPEAR
                   DAUGHTER
                 DAUGHTER 48
BUTT 48
TOUGH 48
SUCH 48
SUCH 48
MOLE 48
EXCITED 47
YELL 47
YELL 47
BEAKER 47
YELL 47
BEAKER 47
DUKE 47
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DUKE 47
TRAME 47
TOUGESTAND 47
SPANNER 47
RAY 47
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                   RAY
PLIERS
MAYONNAISE
                   INFINITY
BOBBING
                                                                                                                                                                                                                                           sparkle [5,1], sparkles [10,3], sparkling [4,1], sparkly [27,7] pebble [13,4], pebbles [33,9] tread [27,7], treading [14,4], trod [5,1] errase [54,9], errase [8,2], errasing [4,1] hotdog [35,10], hotdogs [11,3] busits [36,10], busiting [10,3] polish [39,11], polished [7,2] hip [41,11], hips [5,1] beaver [43,12], beavers [3,1]
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                    PEBBLE
                    TREAD
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                    ERASE
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                    HOTDOG
BURST
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BEAVER
PLAYROOM
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                   NASTY
METAL
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HISS
GRUMPY
GOODS
DIET
COUNTRY
COTTON
LEADER
SORTED
GUMDROP
SWAN
SPEED
TUNE
COMPANY
TAG
SWEETHEART
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sorted [22,6], sorting [23,6]
gumdrop [34,9], gumdrops [11,3]
swan [35,10], swars [10,3]
speed [37,10], speedy [8,2]
tune [42,12], tunes [3,1]
company [45,12]
                    STUDY
                   PLENTY
MASTER
                    GRAPEFRUIT
1705
1706
1707
                    FAULT
BRILLIANT
                    MARCHING
                                                                                                                                                                                                                                             marching [44,12]
1708
                    VANILLA
SPRING
                   SOUR
SLIPPERY
SHAMPOO
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1583 MONTHS

1713 PRICE 1714 OATMEAL

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1715 NEWS
1716 KARATE
1717 COOP
1718 CLUCK
1719 CAPE
1720 GENTLEM
1721 TABLET
1721 TABLET
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44
                   GAPE
GENTLEMEN
TABLETS
FORWARD
SLOT
CRANBERRY
PONYTAIL
TRICYCLE
PLATFORM
GOWN
GOLDFISH
FUDGE
DUVET
DODO
COPTER
BLAST
BALLET
EYEBROWS
DECIDED
BUSTER
GRILLED
SPICE
GROWL
                                                                                                                                                                                                                                                                        gentleman [10,3], gentlemen [33,9]
tablet [14,4], tablets [29,8]
forward [22,6], forwards [21,6]
slot [34,9], slots [9,2]
cranberry [34,9], cranberries [9,2]
ponytail [38,10], ponytails [5,1]
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decide [11.3], decided [28.8], deciding [3.1]
busted [12.3], buster [27.7], busters [3.1]
grill [16.4], grilled [04.7]
spice [19.5], spices [3.1], spicy [20.5]
growl [22.6], growled [5.1], growling [3.1], growling [12.3]
peck [30.8], pecked [4.1], pecking [8.2]
peth [33.9], pethal [9.2]
fetch [39.11], fetching [3.1]
                       PECK
PEDAL
                        FETCH
  1745
                       UGLY
                        SPADE
  1747
                        SALAMI
                       RICH
KETTLE
DENTIST
  1749
                    1751
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                                                                                                                                                                                                                                                                          firefighter [35,10], firefighters [6,2] claw [7,2], claws [34,9] lone [12,3], lonely [24,7], lonesome [5,1] ski [20,5], skiing [13,4], skis [8,2] balance [38,10], balancing [3,1]
  1753
                                                                                                                                                                                                                                                                       axe [5,1], ax [35,10] tanglet [10,3], tanglet [26,7], tangles [4,1] decoration [6,2], decorations [11,3] decoration [15,4], decorations [11,3] beat [16,4], beatic [17,5], beating [7,2] bullet [21,6], bullets [19,5] manner [28,8], manners [12,3] canae [28,8], manners [12,3] canae [28,8], canse [12,3] cost [29,8], costs [11,3] blink [29,8], blinkin [6,2], blinking [5,1]
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                                                                                                                                                                                                                                                                        scramble [4,1], scrambled [35,10]
scrape [24,7], scraped [7,2], scraping [8,2]
crust [26,7], crusts [6,2], crusty [7,2]
join [33,9], joined [3,1], joining [3,1]
customer [33,9], customers [6,2]
sale [35,10], sales [4,1]
pork [36,10], porky [3,1]
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                                                                                                                                                                                                                                                                          comfort [9,2], comfortable [21,6], uncomfortable [8,2]
handkerchief [13,4], handkerchiefs [4,1], hankie [21,6]
acom [23,6], acorns [15,4]
parachute [3,9], parachutes [7,2]
chain [3,19], chains [7,2]
rosas [35,10], rosated [3,1]
binoculars [35,10], binocular [3,1]
  1803
                       PLAIN
NIGH
FORTH
  1804
  1805
 1807
                        CUCUMBER
  1808
                        BUDGIE
MOSQUITOES
                                                                                                                                                                                                                                                                          \label{eq:mosquito} \begin{tabular}{l} mosquito [14,4], mosquito [19,5], mosquito [4,1] \\ babysit [14,4], babysitter [18,5], babysitting [5,1] \\ choke [25,7], choked [9,2], choking [3,1] \\ \end{tabular}
 1810
                       BABYSITTER
 1811
                        CHOKE
                       LADYBUG
QUESTION
BARBER
                                                                                                                                                                                                                                                                        choke [25./], choked [9.2], choke
ladybug [26,7], ladybug [11,3]
question [27,7], questions [10,3]
barber [27,7], barber's [10,3]
pad [31,9], pads [6,2]
fart [31,9], farted [6,2]
kipper [32,9], kipper's [5,1]
 1812
1813
 1814
  1815
                        PAD
                     FART
KIPPER
YARN
WOE
TIPPY
SPINACH
SAILBOAT
MUSEUM
MOBILE
HACTORY
CART
CALENDAR
FOOTPRINTS
MILES
BURIED
APE
THOUSAND
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                                                                                                                                                                                                                                                                          footprint [7,2], footprints [29,8]
mile [8,2], miles [28,8]
bury [16,4], buried [20,5]
                                                                                                                                                                                                                                                                        bury [16,4], buried [20,5]
ape [20,5], apes [16,4]
thousand [21,6], thousands [15,4]
barrier [21,6], barriers [15,4]
serve [22,6], served [6,2], serving [8,2]
label [22,6], labels [14,4]
  1832
1833
  1834
1835
                        BARRIER
SERVE
 1836
                       LABEL
  1837
1838
                           SHEET
                                                                                                                                                                                                                                                                           sheet [28,8], sheets [8,2]
flush [32,9], flushed [4,1]
                        FLUSH
                        SHOELACE
 1839
                                                                                                                                                                                                                                                                           shoelace [33,9], shoelaces [3,1]
morrow [33,9], morrow's [3,1]
 1840
                        MORROW
 1841
                        SWAP
SPOUT
 1842
                       SOMEPLACE
PUSHCHAIR
 1843
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 1845 PUB
1846 KLEENEX
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		36	10	
		36 36	10 10	
1850	FILM ALARM	36	10	
1851	ALARM PANTIES	35	10	panties [35,10]
1852	CONTAINER	35	10	container [29,8], containers [6,2]
1853		35	10	spoil [7,2], spoiled [13,4], spoiling [8,2], spoilt [7,2]
1034	LESSONS	35 35	10	lesson [11,3], lessons [24,7]
		35	10 10	stink [16,4], stinker [3,1], stinking [4,1], stinks [12,3] notice [18,5], noticed [17,5]
1857	SPORT	35	10	sport [20,5], sports [15,4]
1858	PRINT	35	10	print [20,5], printing [4,1], prints [11,3]
	WHEAT	35	10	
		35	10	
	MISTAKE	35	10	
		35	10	
1863	HARBOR	35	10 10	
1865	BEAK INVISIBLE RUSTY	34	9	invisible [34,9]
1866	RUSTY	34	9	rusty [34,9]
1867	NEIGHBOUR	34	9	neighbor [16,4], neighborhood [3,1], neighbors [15,4]
		34	9	antenna [17,5], antennae [4,1], antennas [13,4]
1869	ANTENNA DANDELION	34	9	dandelion [20,5], dandelions [14,4]
1870	BANDAGE	34	9	bandage [25,7], bandages [9,2]
		34 34	9	butcher [26,7], butcher's [3,1], butchers [5,1] whip [27,7], whippin [7,2]
		34	9	kidding [31,9], kiddin [3,1]
	BUCK	34	9	buck [31,9], bucks [3,1]
1875	WALRIIS	34	9	
1876	TYPE SIZZLE		9	
	SIZZLE PLAYGROUND		9	
	PHEW		9	
1880	PANT	34	9	
1881	MAILBOX	34	9	
1882	ISLAND	34	9	
1883	HULA FRISBEE	34	9	
		34 33	9	burglar [29,8], burglars [4,1]
		33	9	quaver [9,2], quavers [24,7]
1887	DARTS	33	9	dart [12,3], darts [21,6]
1888	COMIC CHEERIO NOTE PROD	33	9	comic [17,5], comics [16,4]
1889	CHEERIO	33	9	cheerio [18,5], cheerios [15,4]
1890	NOTE PROD	33 33	9	note [22,6], notes [11,3] prod [24,7], prodding [9,2]
		33	9	llama [24,7], llamas [9,2]
	PASTE	33	9	paste [27,7], pasting [6,2]
	BULB SHAME	33	9	bulb [27,7], bulbs [6,2]
1895	SHAME	33	9	
1896	SEAHURSE	33	9	
		33 33	9	
	NOTEBOOK		9	
1900	LIQUORICE	33	9	
1901	HOCKEY	33	9	
	BRIGADE BANJO	33	9	
			9	No. 1, 100 F1 A G No. 1, 110 F1
	BLUEBERRIES ENJOY		9	blueberry [14,4], blueberries [18,5] enjoy [15,4], enjoyed [11,3], enjoying [6,2]
	SNATCH	32	9	snatch [19,5], snatched [3,1], snatching [10,3]
1907	BRUISE	32	9	bruise [20,5], bruised [3,1], bruises [9,2]
	MEAL	32 32	9	meal [25,7], meals [7,2]
		32	9	eagle [26,7], eagles [6,2]
		32 32	9	plea [28,8], pleas [4,1]
	FLAP STORM	32	9	flap [28,8], flaps [4,1] storm [29,8], storms [3,1]
1913	WIG	32	9	(25,0),
1914	VIOLIN	32	9	
1915	SIGNAL	32	9	
		32	9	
		32 32	9	
	COCOON	32	9	
1920	CARDIGAN	32	9	
1921	BROWNIES	31	9	brownie [15,4], brownies [16,4]
		31	9	parent [16,4], parents [15,4]
		31	9	ash [18,5], ashes [13,4]
1924	MASS	31	9	tart [23,6], tarts [8,2] mass [24,7], masses [7,2]
1926	COCONUT	31	9	coconut [25,7], coconuts [6,2]
	BUCKLE	31	9	buckle [25,7], buckles [3,1], unbuckle [3,1]
1928		31	9	sip [27,7], sipping [4,1]
	TELESCOPE	31	9	
	STREAM RUNAWAY	31 31	9	
1932	POX	31	9	
1933	PALACE	31	9	
1934	NIGHTGOWN	31	9	
		31	9	
1936 1937	FIDDLE	31	9	
1938	CRISPIES	31	9	
1939	BOOKIE	31	9	
1940	STROLLER	30	8	stroller [30,8]
	PRICKLES	30	8	prickles [6,2], prickly [24,7]
	BATHING CREEPY	30 30	8	bathing [30,8] creep [7,2], creepy [23,6]
1944	SPRINKLE	30	8	sprinkle [10,3], sprinkler [7,2], sprinkles [7,2], sprinkling [6,2]
1945	PIMPLE	30	8	pimple [15,4], pimples [15,4]
1946	ART	30	8	art [17,5], artist [10,3], arts [3,1]
		30	8	fellow [19,5], fella [6,2], fellows [5,1]
	MANAGE	30	8	manage [22,6], managed [4,1], manager [4,1] tube [25,7], tubes [5,1]
1951	TUBE	30	8	
1952	PATH TYRANNOSAUR	30 130	8	path [26,7], paths [4,1]
	PATH TYRANNOSAUR RESTAURANT	30 30 30	8 8 8	
1953	PATH TYRANNOSAUR RESTAURANT OWE	30 130 30 30 30	8 8 8 8	
1953 1954	PATH TYRANNOSAUR RESTAURANT OWE GOLLY	30 30 30 30 30 30	8 8 8 8 8	
1953 1954 1955	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY	30 30 30 30 30 30 30 30	8 8 8 8 8 8	
1953 1954 1955	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE	30 30 30 30 30 30	8 8 8 8 8	
1953 1954 1955 1956 1957 1958	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC	30 30 30 30 30 30 30 30 30 30	8 8 8 8 8 8 8	
1953 1954 1955 1956 1957 1958 1959	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT	30 30 30 30 30 30 30 30 30 30 30 30 30 3	8 8 8 8 8 8 8 8 8 8	path [26,7], paths [4,1]
1953 1954 1955 1956 1957 1958 1959 1960	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING	30 30 30 30 30 30 30 30 30 30 30 30 30 3	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	path [26,7], paths [4,1]  yawn [9,2], yawning [20,5]
1953 1954 1955 1956 1957 1958 1959 1960 1961	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK	30 30 30 30 30 30 30 30 30 30 30 30 30 3	S S S S S S S S S S S S S S S S S S S	path [26,7], paths [4,1]  yawn [9,2], yawning [20,5] prick [10,3], prickers [4,1]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS	30 30 30 30 30 30 30 30 30 30 30 30 29 29	S S S S S S S S S S S S S S S S S S S	path [26,7], paths [4,1]  yawn [9,2], yawning [20,5]  prick [10,3], pricked [15,4], prickers [4,1]  diffodil [10,3], diffodils [19,5]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED	30 30 30 30 30 30 30 30 30 30 30 30 30 3	S S S S S S S S S S S S S S S S S S S	path [26,7], paths [4,1]  yawa [9,2], yawning [20,5] prick [10,3], prickers [4,1] daffodil [10,3], daffodils [19,5] owned [11,3], owner [5,1], owns [15,4]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS	30 30 30 30 30 30 30 30 30 30 30 29 29 29	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prick [10,3], pricked [15,4], prickers [4,1] daffodil [10,3], daffodis [19,5] owned [1,3], owner [5,1], owns [13,4] reverse [12,3], reversing [17,5]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFERS INVITE	30 30 30 30 30 30 30 30 30 30 30 30 30 3	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prick [10,3], pricked [15,4], prickers [4,1] daffodii [10,3], daffodis [19,5] owned [1,3], owner [5,1], owns [13,4] reverse [12,3], reversing [17,5] buffer [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3]
1953 1954 1955 1956 1957 1958 1960 1961 1962 1963 1964 1965 1966 1967	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK OWNED REVERSING BUFFERS INVITE DROWN	30 30 30 30 30 30 30 30 30 30 30 30 30 29 29 29 29 29 29 29 29	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prix [10,3], pricked [15,4], prickers [4,1] daffold [10,3], daffolds [19,5] owned [11,3], owner [5,1], owns [13,4] reverse [12,3], reversing [17,5] buffer [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFERS INVITE DROWN AGE	30 30 30 30 30 30 30 30 30 30 30 30 30 3	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prick [10,3], pricked [15,4], prickers [4,1] daffodil [10,3], daffodils [19,5] owned [11,3], owner [5,1], owns [13,4] reverse [12,3], reversing [17,5] biffer [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFERS INVITE DROWN AGE RUINED	30 30 30 30 30 30 30 30 30 30 30 30 30 29 29 29 29 29 29 29 29 29 29	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prisk [10,3], pricked [15,4], prickers [4,1] daffodd [10,3], daffodis [19,5] owned [1,13], owner [5,1], owns [13,4] revense [12,3], reversing [17,5] buffer [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4] ruin [16,4], ruined [13,4]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFERS INVITE DROWN AGE RUINED	30 30 30 30 30 30 30 30 30 30 30 30 30 3	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prick [10,3], pricked [15,4], prickers [4,1] daffodii [10,3], daffodiis [19,5] owned [11,3], owner [5,1], owns [13,4] reverse [12,3], reversing [17,5] biffer [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4] ruin [16,4], ruined [13,4]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED BUFFERS INVITE DROWN AGE RUINED MEATBALL HEEL HEEL NIGHTMARE	30 30 30 30 30 30 30 30 30 30	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prisk [10,3], pricked [15,4], prickers [4,1] daffodd [10,3], daffodis [19,5] owned [1,13], owner [5,1], owns [13,4] revense [12,3], reversing [17,5] buffer [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4] ruin [16,4], ruined [13,4]
1953 1954 1955 1956 1957 1958 1960 1961 1962 1963 1964 1966 1967 1969 1970 1971	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFERS INVITE DROWN AGE RUNED MEATBALL HEEL NIGHTMARE MUSH	30 30 30 30 30 30 30 30 30 30 30 30 30 29 29 29 29 29 29 29 29 29 29 29 29 29	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prick [10,3], pricked [15,4], prickers [4,1] daffoidi [10,3], daffoidis [19,5] owned [11,3], owner [5,1], owns [13,4] reverse [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4] ruin [16,4], ruined [13,4] meatball [17,5], medish [12,3] heel [17,5], heels [12,3] nightnare [18,5], nightnares [11,3] mush [19,5], mushy [10,3]
1953 1954 1955 1956 1957 1958 1960 1961 1963 1964 1965 1968 1969 1970 1971 1972 1973	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFERS INVITE DROWN AGE RUINED MEATBALL HEEL MUSH FIGURE	30 30 30 30 30 30 30 30 30 30	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prick [10,3], pricked [15,4], prickers [4,1] daffodil [10,3], daffodils [19,5] owned [11,3], owner [5,1], owns [13,4] reverse [12,3], reversing [17,5] buffer [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4] run [16,4], mined [13,4] meanball [17,5], meatballs [12,3] heele [17,5], heels [12,3] nightmare [18,5], nightmares [11,3] mush [19,3], mushy [10,3] figure [19,5], figured [6,2], figures [4,1]
1953 1954 1955 1956 1957 1959 1960 1961 1962 1963 1964 1965 1966 1967 1970 1970 1971 1972 1973	PATH TYRANNOSAUR RESTAURANT OWE GOLLY GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFEES INVITE DROWN AGE RUINED MEATBALL HEEL NIGHTMARE MUSH FIGURE TONE	30 30 30 30 30 30 30 30 30 30 30 30 30 29 29 29 29 29 29 29 29 29 29 29 29 29	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prick [10,3], pricked [15,4], prickers [4,1] daffoldi [10,3], daffoldis [19,5] owned [11,3], owner [5,1], owns [13,4] reverse [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4] ruin [16,4], ruined [13,4] mearbail [17,5], meathulis [12,3] heeld [17,5], heels [12,3] nightnare [18,5], nightnares [11,3] mush [19,5], mushy [10,3] figure [19,5], figured [6,2], figures [4,1] tone [2,1,6], tones [8,2]
1953 1954 1955 1956 1957 1958 1960 1961 1963 1964 1965 1968 1969 1970 1971 1972 1973	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFERS INVITE DROWN AGE RUINED MEATBALL HEEL MUSH FIGURE	30 30 30 30 30 30 30 30 30 30	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prisk [10,3], pricked [15,4], prickers [4,1] daffodil [10,3], daffodils [19,5] owned [11,3], owner [5,1], owns [13,4] reverse [12,3], reversing [17,5] buffer [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4] run [16,4], runted [13,4] meatball [17,5], meatballs [12,3] heel [17,5], best [12,3] nightmare [18,5], nightmares [11,3] mush [19,3], musby [10,3] figure [19,5], figured [6,2], figures [4,1] tone [21,6], tones [8,2]
1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1971 1972 1973 1974 1975 1975	PATH TYRANNOSAUR RESTAURANT OWE GOLLY EMERGENCY COTTAGE CHANCE ATTIC ASTRONAUT YAWNING PRICK DAFFODILS OWNED REVERSING BUFFERS NVITE DROWN AGE RUINED MEATBALL HEEL NIGHTMARE MUSH USH USH USH USH USH USH USH USH USH	30 30 30 30 30 30 30 30 30 30	S S S S S S S S S S S S S S S S S S S	yawn [9,2], yawning [20,5] prick [10,3], pricked [15,4], prickers [4,1] daffoldi [10,3], daffoldis [19,5] owned [11,3], owner [5,1], owns [13,4] reverse [12,3], buffers [17,5] invite [14,4], invitation [5,1], invited [10,3] drown [15,4], drowned [6,2], drowning [8,2] age [15,4], ages [14,4] ruin [16,4], ruined [13,4] mearbail [17,5], meathulis [12,3] heeld [17,5], heels [12,3] nightnare [18,5], nightnares [11,3] mush [19,5], mushy [10,3] figure [19,5], figured [6,2], figures [4,1] tone [2,1,6], tones [8,2]

1979 VINEGAR 1980 UNICORN 1981 TAPER 1981 1982 1983 1984 1985 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 2000 2001 2002 2003 2004 2005 operation [11,3], operator [17,5], spooky [28,8] mine [28,8] fool [10,3], foolid [10,3], fooling [8,2] jamary [13,4], jam [15,4] currant [18,5], currants [10,3] wasp [21,6], wasp [7,2] slap [21,6], slapped [4,1], slapping [3,1] FIREPLACE DOODY CALF BRIDE 2009 ARREST 28
INSTRUCTIONS 27
RAPTORS 27
ATTACHED 27
ATTACHED 27
ATTACHED 27
ATTACHED 27
ATTACHED 27
MIRE 27
MATE 27
MESSAGE 27
WARDROBE 27
MARDROBE 27
MOUSSE 27
MOUSSE 27
MOUSSE 27
COWNEED 27
CRANKY 27
COUNTER 27
COWNEED 27
CRANKY 27
COUNTER 27
MOUSSE 2 2010 instruction [27,7] healthy [27,7] ruptor [8,2], raptors [19,5] attach [9,2], attached [18,5] olive [11,3], olives [16,4] fr [1,44], firs [13,4], mate [17,5], mates [3,1], matey [7,2] wreatfe [18,5], wrestling [9,2] tyre [18,5], wrestling [9,2] waterfull [2,6], waterfulls [5,1] message [22,6], messages [5,1] 2011 2012 2013 ATTACHED
OLIVES
FIR
MATE
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TYRE
WAESTLE
TYRE
WATERFALL
MESSAGE
WARDROBE
TEAM
STIFF
SPLAT
SHOPKEFPER
SADDLE
MOUSSE
JUG
INDEED
DEED
CRANKY
COUNTER
COCKEREL
CINNAMON
CARDBOARD
CAFE
CACTUS
BUNK 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2034 2035 2036 2037 2038 2039 2040 2041 2042 united [26.7]
program [26.7]
prostice [20.5], practicing [6.2]
greedy [26.7]
sprout [5.1], sprouts [21.6]
sprout [5.1], sprouts [21.6]
soner [9.2], snoring [17.5]
soner [9.2], snoring [17.5]
soner [11.3], senser [15.4]
munch [13.4], munching [13.4]
design [14.4], designs [12.3]
weigh [16.4], weighing [7.2], weighs [3.1]
seathelt [19.5], seathels [7.2]
poster [19.5], posters [7.2]
spaceship [20.5], spaceships [6.2]
lantern [20.5], lanterns [6.2]
north [26.7], 2043 2044 2045 2046 2047 2048 2050 2050 2051 2052 2053 2054 2055 2056 2057 2058 2060 2061 2062 2063 2064 2065 2066 2066 2066 2066 2066 2071 2072 2073 CINEMA CALIFORNIA 2074 AVENUE 26 TRANSPORTER 25 transporter [25,7] 2075 transporter [25,7] flavor [16,4], Navored [9,2] direction [4,1], directions [21,6] whize [7,2], whitzzed [3,1], whitzzing [15,4] knit [9,2], knitting [16,4] beet [11,3], beets [14,3] scale [12,3], seased [3,1], tossing [5,1] skeleton [19,5], skeletons [6,2] skeleton [19,5], skeletons [6,2] stalia [20,5], stalia [5,1], dunk [21,6], dunking [4,1] | STAND | STAN 2076 2077 2100 2101 2102 2103 2104 2105 typewriter [24,7] pokey [24,7] lighter [24,7] chili [17,5], chilis [7,2] elf [9,2], elves [15,4] tide [12,3], tidal [12,3]

2111	NOSY	24	7	nosy [13,4], nosey [11,3]
2112	MILL ESCAPE	24 24	7	mill [13,4], miller [11,3] escape [14,4], escaped [10,3]
2114	ADD CREATURE	24 24	7 7	add [15,4], adding [9,2]
2116	TALKIE	24	7	creature [17,5], creatures [7,2] talkie [19,5], talkies [5,1]
2117 2118	ODD CROW HUMP	24 24	7	odd [19,5], odder [5,1] crow [19,5], crows [5,1]
2119	HUMP GRADE	24 24	7	hump [20,5], humps [4,1] grade [20,5], grader [4,1]
2121	BUMBLEBEE		7	bumblebee [20,5], bumblebees [4,1]
2123	MOP	24	7 7	stuffed [21,6], stuffing [3,1] mop [21,6], mopping [3,1]
2125	GRASSHOPPER WOUND WIZARD	24 24	7	grasshopper [21,6], grasshoppers [3,1]
		24 24	7	
2128	TEATIME	24	7	
2130	SKUNK	24 24	7 7	
2131 2132	RODEO RIFLE	24 24	7	
2133	RAZOR	24 24	7	
2135	PASSION	24	7	
2137	LITTER	24 24	7 7	
2138 2139		24 24	7	
2140	DOPEY	24 24	7	
2142	CUBBY	24	7	
2143 2144	COCO CHUFF	24 24	7 7	
2145	BEEHIVE	24 24	7	
2147	ABOVE	24 23	7	
2149	FUZZY	23	6	sparks [14,4], sparky [9,2] fuzzy [23,6]
2150 2151	ARMBANDS NUGGETS	23 23	6	armband [4,1], armbands [19,5] nugget [6,2], nuggets [17,5]
2132	GOGGLES	23 23	6	goggle [9,2], goggles [14,4] attack [9,2], attacked [4,1], attacking [10,3]
2154	LACES	23	6	lace [11,3], laces [12,3]
2156	DODGE WAG	23 23	6	dodge [12,3], dodger [6,2], dodgers [5,1] wag [13,4], waggin [5,1], wagging [5,1]
2157 2158		23	6	snuggle [15,4], snuggled [8,2] million [16,4], millions [7,2]
2159	BUD	23	6	bud [16,4], buds [7,2]
2161	GIFT	23	6	shock [18,5], shocked [5,1] gift [18,5], gifts [5,1]
2162 2163	CLAM WHACK	23 23	6	clam [18,5], clams [5,1] whack [19,5], whacking [4,1]
2164	FASHION	23 23	6	fashion [19,5], fashioned [4,1]
2166	WINDSHIELD	23	6	
2167 2168 2169		23 23	6	
2169 2170		23	6	
2171	RATHER	23	6	
2173	PATIENT	23 23	6	
2174 2175	MUG MAGPIE	23 23	6	
2176	LUNCHTIME LOTION	23	6	
2178	LIGHTNING	23	6	
2179 2180	HANDBAG GOAL	23 23	6	
2181	GERBIL EXTRA	23 23	6	
2183	DINNERTIME	23	6	
		23 23	6	
2186 2187	CAMPFIRE ANKLE	23 23	6	
2188	JEWELLERY INTERESTING	22	6	jewelry [22,6]
2190	CROOKED	22	6	interested [3,1], interesting [19,5] crook [4,1], crooked [18,5]
	STARVING STRUCK	22 22	6	starve [6,2], starving [16,4] strike [8,2], struck [14,4]
2193 2194	GERMS SECONDS	22 22	6	germ [8,2], germs [14,4] seconds [9,2], sec [13,4]
	BLADE	22	6	blade [9,2], blades [13,4]
	SEPTEMBER	22 22	6	bosom [10,3], bosoms [12,3] september [13,4], sept [9,2]
2198 2199	ANCHOR SPLIT	22 22	6	anchor [14,4], anchors [8,2] split [16,4], splits [6,2]
2200	WEATHER	22	6	spin [10,1], spins [0,2]
2202		22	6	
2204	TEMPERATURE SUBWAY	22	6	
2205 2206	STETHOSCOPE SOIL	22 22	6	
2207	SOCCER	22	6	
2209	SHY	22 22	6	
	RECOGNIZE QUIT	22	6	
	MARGARINE LATTE	22	6	
2214	KNICK	22	6	
2215 2216		22 22	6	
2217		22 22	6	
2219	DOZEN	22	6	
	DOVE CHEQUE	22 22	6	
2222		22 22	6	
2224	BRAIN BANDANA	22	6	
2226	AUBERGINE	22 22	6	
2227	MATH INSTRUMENTS	21 21	6	math [16,4], maths [5,1] instrument [5,1], instruments [16,4]
2229	HEADLIGHTS	21	6	headlight [5,1], headlights [16,4]
2231	RATTLESNAKE STITCH	21	6	rattlesnake [9,2], rattlesnakes [12,3] stitch [12,3], stitches [9,2]
	BOOBY	21 21	6	cop [12,3], cops [9,2] booby [12,3], boobies [9,2]
		21 21	6	boogie [14,4], boogies [7,2] slam [15,4], slammed [6,2]
2236	SCRUB	21	6	scrub [16,4], scrubbing [5,1]
2238	BREATHE TOAD	21	6	breathe [16,4], breathing [5,1] toad [17,5], toads [4,1]
	PAINTBRUSH CHIEF	21 21	6	paintbrush [17,5], paintbrushes [4,1] chief [17,5], chief's [4,1]
2241	TRAMP TONIC	21	6	
/-	-			

2243	STABLE	21	6
2244 2245	RINSE REASON	21	6
2246	PURPOSE	21	6
2247	PINE	21	6
2248	PEACE	21	6
2249 2250	NIBBLE LOAF	21 21	6
2251	IMPORTANT	21	6
2252	IGLOO	21	6
2253 2254	HARDLY EASE	21	6
2255	DIFFERENCE	21	6
2256	CHATTER	21	6
2257	BUTCH	21	6
2258 2259	BEETROOT APRON	21 21	6
2260	TODDLER	20	5
2261	SPECKLED	20	5
2262 2263	OBSERVER	20	5
2264	GIGGLES TONS	20	5
2265	OPPOSITE	20	5 5 5 5
2266	DASH	20	5
2267 2268	SOMERSAULT WORSE	20 20	5
2269	INSECT	20	5 5 5
2270	YOUNG	20	5
2271 2272	PITCH TRACE	20 20	5
2273	THIEF	20	5
2274	SERVICE	20	5
2275	REVEREND	20 20	5
2276 2277	REGULAR PRESIDENT	20	5
2278	ORE	20	5
2279	NEITHER	20	5
2280 2281	MOTORWAY LUGGAGE	20 20	5
2282	JUNIOR	20	5
2283	HELL	20	5
2284 2285	GULP FOREHEAD	20 20	5
2286	EXPRESS	20	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
2287	DYNAMITE	20	5
2288 2289	DOORWAY	20	5
2289	COASTER	20 20	5
2291	CHARGE CANNON	20	5
2292	BLONDE	20	5
2293 2294	BAY BARBECUE	20 20	5
2295	AREA	20	5 5 5
2296	SLIMY	19	5
2297 2298	INCHES PLOW	19 19	5 5 5
2298	DOMINOES	19	5
2300	JOG	19	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
2301	FUSS	19	5
2302 2303	APRICOT PURR	19 19	5
2304	FASTEN	19	5
2305	WASTE	19	5
2306 2307	TROT	19 19	5
2307	GUIDE YOGA	19	5
2309	UNDERPANTS	19	5
2310	TURKEY	19	5
2311 2312	TUGBOAT TENDER	19 19	5
2313	TACK	19	5
2314	SPLODGE	19	5
2315 2316	SNOOZE	19 19	5
2317	PLOD OMELETTE	19	5
2318	NOD	19	5
2319	JIG ILL	19 19	5
2320 2321	HOPSCOTCH	19	5
2322	FIDDLY	19	5
2323	FERRY	19 19	5
2324 2325	EVENING BRAND	19	5
2326	BRAN	19	5
2327	AWHILE	19	5
2328 2329	AQUARIUM ABOARD	19 19	5
2330	DAWNING	18	5
2331	DUSTMAN	18	5
2332 2333	WEIGHT MEADOW	18 18	5
2334	DAMAGE	18	5
2335	DIAL	18	5
2336 2337	WEREWOLF VOLCANO	18 18	5
2338	UNLESS	18	5
2339	UNIFORM	18	5
2340 2341	TRUTH POODLE	18 18	5
2342	NOUN	18	5
2343	NAKED	18	5
2344 2345	MIDNIGHT LEAST	18 18	5
2346	LAUNDRY	18	5
2347	HIGHCHAIR	18	5
2348 2349	GRAND GOODIE	18 18	5
2350	GOBLIN	18	5
2351	DESERT	18	5
2352 2353	CHESS	18 18	5
2353	CARNIVAL	18	5
2355	BOOKCASE	18	5
2356 2357	SOAKING	17	5
2357	SCRUFFY PLAYDAYS	17 17	5
2359	FLAKES	17	5
2360	FAVOUR	17 17	5
2361 2362	GEMS PRAYERS	17 17	5
2363	GREASY	17	5
2364	SARDINES	17	5
2365 2366	CRATE SHIELD	17 17	5
2367	STALL	17	5
2368	CHUTE	17	5
2369 2370	SPUD ANTELOPE	17 17	5
2371	THICK	17	5
2372	WINK	17	5
2373 2374	TWIT TARGET	17 17	
23/4	AMOUNT	.,	ر

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2375	TAMBOURINE	17	
2376	SWAMP	17	
2377 2378	STATE SMOOTH	17 17	
2379	SILL	17	
2380	SERIOUS	17	
2381 2382	RIPE PILLAR	17 17	
2383	PANTHER	17	
2384	MICROWAVE	17	
2385 2386	MAKEUP LUMBER	17 17	
2387	KOALA	17	
2388	ELASTIC	17	
2389 2390	EARTH DRESSER	17 17	
2391	DITCH	17	
2392	DEAL	17	
2393 2394	DATE BREATH	17 17	
2395	BOUILLON	17	
2396 2397	BALLERINA RAINDROPS	17 16	
2398	INJECTION	16	
2399	DEGREES	16	
2400 2401	OUGHT	16 16	
2401	PIGTAILS LEAK	16	
2403	LEAN	16	
2404 2405	VOMIT EYEBALL	16 16	
2406	EXPECT	16	
2407	YAHOO	16	
2408 2409	WOOSH TROLL	16 16	
2410	TRAM	16	
2411	TRADE	16	
2412 2413	TERRIFIC SWEATSHIRT	16 16	
2414	SKIPPER	16	
2415	SHOEMAKER	16	
2416 2417	SEAWEED RASH	16 16	
2418	RAINCOAT	16	
2419	PROUD	16	
2420 2421	PINWHEEL PAIN	16 16	
2422	OVAL	16	
	MIXTURE	16	
2424 2425	MEDIUM MALL	16 16	
2426	MAIN	16	
2427	LOCKER	16	
2428 2429	LIGHTHOUSE KNOB	16 16	
2430	JURASSIC	16	
2431	HUSH	16	
2432 2433	HOOT DYE	16 16	
2434	DOME	16	
2435	DAMN	16	
2436 2437	DAIRY CORNY	16 16	
2438	CABINET	16	
2439 2440	ATTENTION	16 15	
2440 2441	URINATE DEFINITELY	15	
2442	ARRIVED	15	
2443 2444	PLANKS STARING	15 15	
2445	SEASONS	15	
2446	SAKE	15	
2447 2448	MERMAID WINDING	15 15	
2449	LEND	15	
2450	AIM	15	
2451 2452	XYLOPHONE WITT	15	
2453	WALLET	15	
2454	TEEN	15	
2455 2456	SURGERY SMILEY	15 15	
2457	SHRIMP	15	
2458	RASCAL	15	
2459 2460	RAG PRISE	15 15	
2461	PATIO	15	
2462	OTHERWISE	15	
2463 2464	LEVEL KNICKS	15 15	
2465	KENNEL	15	
2466	GLOBE	15	
2467 2468	FOE FAKE	15 15	
2469	ENGINEER	15	
2470 2471	DISCO	15	
2472	DEVIL	15	
2473	DAYTIME	15	
2474 2475	DAME CRYSTAL	15 15	
2476	COURT	15	
2477	COLT	15	
2478 2479	COLESLAW BOYFRIEND	15 15	
2480	BONNET	15	
2481 2482	ARK THEATRE	15 14	
2483	ROVER	14	
2484	PROPELLER	14	
2485 2486	NAPPIES FRANKS	14 14	
2487	TOWARDS	14	
2488	DWARFS	14	
2489 2490	HYENA FLIPPER	14 14	
2491	HIKE	14	
2492	BLACKBIRD	14	
2493 2494	SAUCEPAN REMIND	14 14	
2495	PROTECT	14	
2496	ZIG-ZAG	14	
2497 2498	TWEEZERS TREEHOUSE	14 14	
2499	TIMBER	14	
2500	TATTOO	14	
2501 2502	STAB SMUDGE	14 14	
2503	SHOVE	14	
2504	SHORTBREAD	14	
2505 2506	RAISE POCKETKNIFE	14 14	

raindrops [16,4]
injection [16,4]
degrees [16,4]
degrees [16,4]
ought [3,1], oughta [13,4]
pigtail [5,1], pigtails [11,3]
lean [1,3], leaning [5,1]
exm [11,3], leaning [5,1]
eyehal [12,3], vonited [4,1]
eyehal [12,3], expecting [4,1]

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theater [11,3], theaters [3,1] rover [14,4] propeller [14,4] mappies [14,4] franks [14,4] toward [4,1], towards [10,3] dwarf [5,1], dwarfs [9,2] hyens [8,2], hyens [6,2] hike [9,2], hiking [5,1] blackbird [9,2], blackbirds [5,1] saucepan [10,3], saucepans [4,1] ermind [10,3], erminds [4,1] protect [10,3], protecting [4,1] 2507 OTTER
2508 MOOSE
2510 MODEL
2510 MIDGET
2512 MATTRI
2513 LESS
2514 JAMMY
2515 INDEX
2516 GRUFF
2517 GRAD
2520 CADITAL
2520 CADITAL
2521 TYPING
2522 BACKP
2522 ADDRE
2523 LINKY
2523 AMAZI
2524 ADDRE
2525 SLINKY
2521 AMAZI
2523 AMAZI
2523 DRIBEL
2523 DRIBEL
2524 ADBRE
2525 SLINKY
2521 AMAZI
2523 DRIBEL
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2524 ADBRE
2525 LINKY
2521 AMAZI
2523 DRIBEL
2523 DRIBEL
2524 BANGLI
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2525 BANGLI
2526 LINKY
2527 AMZI
2528 MAGRI
2529 EXACTI
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2520 CONTRE
2520 CONTRE
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2521 AMZI
2523 DRIBEL
2523 TANGER
2524 BANGLI
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2525 HATCH
2525 HATCH
2526 CONTRE
2527 CONTRE
2527 CONTRE
2528 MOOSE
2529 CONTRE
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2527 CONTRE
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2528 CONTRE
2529 CONTRE
2520 CONTRE
2 MIDGET
MEME
MATTRESS
LESS
LESS
JAMMY
INDEX
GRUFF
GRATE
GONG
ESPECIALLY
CROISSANT
CAPITAL
BALONEY
BACKPACK
ADDRESS
TYPING
SLOPPY
SLINKY
MAGNIFYING
EXACTILY
CHILLY
AMAZING
HERBAL
DRIBBLING typing [13,4] sloppy [13,4] slinky [13,4] magnifying [13,4] exactly [13,4] chilly [13,4] amazing [13,4] berh [4,1], herbal [9,2] dribble [6,2], dribbling [7,2] bangle [7,2], bangles [6,2] tangerine [8,2], interiors [5,1] hatch [8,2], hatched [5,1] postcard [9,2], postcards [4,1] chipmunk [9,2], chipmunks [4,1] stain [10,3], stairs [3,1] BANGLES TANGERINE HATCH CONNECT POSTCARD 2538 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2560 2561 2562 2563 2564 2565 2566 2566 2566 2567 suddenly [12,3] shucks [12,3] shredded [12,3] license [12,3] license [12,3] character [4,1], characters [8,2] character [4,1], characters [8,2] adult [5,1], adults [7,2] tiptoe [6,2], tiptoes [6,2] flow [6,2], flowed [3,1], flowing [3,1] braid [8,2], braids [4,1] rewind [9,2], rewinding [3,1], maging [9,2], imagination [3,1] flamingo [9,2], flamingos [3,1] TWIRL 2600 2601 TNT THUMPER SUBMARINE 2602 STAGE STAGE SKATEBOARD SKATEBOARD SKATEBOARD SCAR SATCHEL PUCK PAL NONSENSE NINJA HELUM HEADBAND GRIEF GASOLINE FIST DOON DAMP CURRY COLLEGE CLIFF CHOICE 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 BUST BATON 2628 2629 2630 WHEELBARROW 12 ASHTRAY TRANSMITTER ROTTEN transmitter [11,3] rotten [11,3] finky [11,3] confused [11,3] booster [11,3] workman [3,1], workmen [8,2] petal [4,1], petals [7,2] tulip [5,1], tulips [6,2] scout [5,1], scouts [6,2] 2631 ROTTEN FUNKY CONFUSED BOOSTER WORKMEN PETALS TULIPS SCOUTS 2632 2633 2634 2635 2636 2637 2638

2639	PETTED	11	3
2640 2641	CARVING STAPLE	11 11	3
2642	CUB	11	3
2643 2644	VAGINA GUEST	11 11	3
2645 2646	CRUMBLE YOLK	11 11	3
2647	WREN	11	3
2648 2649	WOODPECKER WEEP	11 11	3
2650 2651	UNIVERSITY TYKE	11 11	3
2652 2653	TRAIL TOFFEE	11 11	3
2654	SOGGY	11	3
2655 2656	ROOT REEL	11 11	3
2657 2658	RACQUET PRISON	11 11	3
2659	POLKA	11	3
2660 2661	PLEASANT PLAYHOUSE	11 11	3
2662 2663	OVERALLS OFTEN	11 11	3
2664 2665	NUTTER MS	11 11	3
2666	MIGHTY	11	3
2667 2668	MATERIAL MART	11 11	3
2669 2670	MANGER LICORICE	11 11	3
2671	LEDGE	11	3
2672 2673	LEASH LAD	11 11	3
2674 2675	JUMBO HIDEOUT	11 11	3
2676	HARP	11	3
2677 2678	GRUMBLE GREENHOUSE	11 11	3
2679 2680	GARLIC FLICK	11	3
2681	FIERCE	11	3
2682 2683	FEVER DECK	11 11	3
2684 2685	CORRECT	11 11	3
2686 2687	CANARY BUSINESS	11 11	3
2688	BRISTLE	11	3
2689 2690	BREAST BOOKSHELF	11 11	3
2691 2692	BIRTH BEG	11 11	3
2693	BATHTIME	11	3
2694 2695	BASE AIRBORNE	11 11	3
2696 2697	ROMPER QUARTS	10 10	3
2698 2699	MUFFS	10	3
2700	FINALLY CANCELED	10	3
2701 2702	ARMOUR ANNOYED	10 10	3
2703 2704	WHISKEY COSY	10 10	3
2705	SEASHELLS	10	3
2706 2707	FOLKS FOGGY	10 10	3
2708 2709	BONFIRE HANDPRINT	10	3
2710 2711	YACHT	10	3
2712	WINTERTIME VAMPIRE	10 10	3
2713 2714	TOOTHPICK SWORDFISH	10 10	3
2715 2716	STEAD SOFTBALL	10 10	3
2717	SNAPPY	10	3
2718 2719	SLURP SHEEPDOG	10 10	3
2720 2721	SERGEANT SCRAP	10 10	3
2722	SCORPION	10	3
2723 2724	RIDDLE REPAIR	10 10	3
2725 2726	REMOTE RECIPE	10 10	3
2727 2728	PYRAMID	10	3
2729	PUTTY PROPERTY	10 10	3
2730 2731	PREGNANT PRECIOUS	10 10	3
2732	POUNCE PLASTICINE	10 10	3
2734	PISTOL	10	3
2735 2736	PERFUME NOR	10 10	3
2737 2738	MOTE MALT	10 10	3
2739	MAID	10	3
2740 2741	LOWER LOCOMOTIVE	10 10	3
2742 2743	LAVA ICKY	10 10	3
2744	ICECREAM	10	3
2745 2746	HYDRANT GROUCH GRAM	10 10	3
2747 2748	FLOSS	10 10	3
2749 2750	FLEA	10	3
2751	FLANNEL FIREHOUSE	10 10	3
2752 2753	FEBRUARY FAME	10 10	3
2754 2755	DUDE	10 10	3
2756	DELICATE DECEMBER	10	3
2757 2758	DARN DAFT	10 10	3
2759 2760	CORNBREAD CHEAP	10	3
2761	CHATTERBOX	10	3
2762 2763	BREADSTICK BLAME	10 10	3
2764	BECOME BACKYARD	10	3
	AUTOMATIC	10	3
2767	ALIEN	10	3

petting [5,1], petted [6,2] carve [5,1], carving [6,2] staple [7,2], stapled [4,1] cub [7,2], cubs [4,1] vagina [8,2], vaginas [3,1] guest [8,2], guests [3,1]

romper [10,3]
quarts [10,3]
muffs [10,3]
finally [10,3]
canceled [10,3]
annoy[6], [3,1]
whiskey [3,1], whisky [7,2]
cosy [3,1], expy [7,2]
seathell [4,1], seathells [6,2]
folk [4,1], folks [6,2]
fog [4,1], folks [6,2]
fog [4,1], folks [6,2]
handprint [6,2], handprints [4,1]