

CAPE flashcards

193 cards for Gracie | Recall. Check. Repeat.

Based on the 21-page San Diego Unified School District / CODESP Classroom Assistant Proficiency Exam study guide supplied by Michael A. The cover is marked CAPE 2016. These are study aids, not official exam questions or a guarantee of current exam coverage.

On screen

Open [index.html](#). Pick a topic, say or write your answer, then reveal the back. Mark Practice again or Got it. Review the Practice again filter to focus on difficult cards. Space reveals; left/right arrows navigate.

On paper

Print the following card sheets single-sided at 100% size. Cut along each outer row border, then fold at the dotted center line: question on one side, answer on the other. Tape or glue the backs. Card IDs match across each row.

Study rhythm

Try 10-15 cards at a time. Work math on paper before revealing answers. Revisit missed cards later the same day, then the next day. Mix topics after each topic becomes familiar.

Source references

Page numbers refer to the PDF page count, including the cover. Examples labeled Added practice apply the guide's concepts; they are not copied test questions.

Corrections and clarifications

The deck fixes the page 4 answer-key mismatch, clarifies -ness (p. 7), uses square root of 64 in the triangle example (p. 15), distinguishes $>$ from $\geq$ and $<$ from $\leq$ (pp. 17-18), and clarifies equation, integer, and median definitions. Pi is written as π because the scan sometimes shows B.

Exam-day directions

Use your current test invitation for timing, allowed items, and calculator rules. The guide permits a calculator only if allowed; this deck does not establish permission.

Cut each row; fold at the dotted center. Print single-sided at 100%.

001 TEST STRATEGY What should you do before answering a multiple-choice question?	001 ANSWER Read the directions and the entire question. Identify exactly what is being asked before choosing an answer. Source PDF p. 2
002 TEST STRATEGY Which kinds of words can change what a test question asks?	002 ANSWER Words such as first, best, worst, only, never, and not. Pay special attention to order, comparisons, and exceptions. Source PDF p. 2
003 TEST STRATEGY What is a good first pass through a timed test?	003 ANSWER Answer the easier questions first, track your time, and return to harder questions. Follow the test's navigation rules. Source PDF p. 2
004 TEST STRATEGY How can you improve a guess on a multiple-choice question?	004 ANSWER Eliminate answers you can show are wrong, then choose among the remaining options. The supplied guide recommends guessing when unsure. Source PDF p. 2
005 TEST STRATEGY Why should you avoid reading too much into a question?	005 ANSWER Extra assumptions can lead you away from the information actually given. Answer the question asked. Source PDF p. 2

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006 TEST STRATEGY What should you check when marking an answer sheet?	006 ANSWER Match the question number to the answer row and mark the intended choice clearly, following the directions. Source PDF p. 2
007 TEST STRATEGY According to this guide, how early should you plan to arrive?	007 ANSWER At least 15 minutes early. Check the location beforehand and follow any newer instructions in your test invitation. Source PDF p. 3
008 TEST STRATEGY What does the guide say about bringing a calculator?	008 ANSWER Bring one ONLY IF ALLOWED. Check your actual test instructions rather than assuming permission. Source PDF p. 3
009 TEST STRATEGY What preparation does the guide recommend for the night before and test morning?	009 ANSWER Get a good night's sleep, eat breakfast, plan your route, bring identification and your test invitation, and monitor your time. Source PDF p. 3
010 TEST STRATEGY What should a complete job application include?	010 ANSWER Answers to all required questions, relevant paid and volunteer experience, training, education, accurate contact details, and required signatures. Proofread and meet the deadline. Source PDF p. 3

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011 ENGLISH & READING How are the sample proofreading questions scored?	011 ANSWER Count spelling or wrong-word errors in each numbered line: a = 0; b = 1; c = 2; d = 3 or more. Use the key supplied on the actual question. Source PDF p. 4
012 ENGLISH & READING Can a correctly spelled word still be an error in proofreading?	012 ANSWER Yes. A word can be spelled correctly but be wrong for the context, such as there instead of their. Source PDF p. 4
013 ENGLISH & READING Choose the right word: Employees improve (there/their) skills.	013 ANSWER Their. It indicates possession. There refers to a place or introduces a statement. Source PDF p. 4
014 ENGLISH & READING Correct these spellings: inprove, responsability, suport, teh.	014 ANSWER Improve, responsibility, support, the. Source PDF p. 4
015 ENGLISH & READING How many spelling errors appear in: They suport the new program?	015 ANSWER One: suport should be support. With the sample key, choose b. Source PDF p. 4

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016 ENGLISH & READING How many spelling errors appear in: Their training will be paid for?	016 ANSWER Zero. Paid is the correct past-tense form here. The guide's sample answer key has inconsistent line numbering and a paid/paied mismatch; this card uses the displayed wording. Source PDF p. 4
017 ENGLISH & READING What three reading skills does the guide emphasize?	017 ANSWER Accurate paraphrasing, summarizing the selection, and making reasonable inferences supported by it. Source PDF p. 5
018 ENGLISH & READING What is a paraphrase?	018 ANSWER A restatement in different words that preserves the original meaning. Source PDF p. 5
019 ENGLISH & READING What is the difference between a summary and an inference?	019 ANSWER A summary gives the main points. An inference is a conclusion supported by clues in the text. Source PDF p. 5
020 ENGLISH & READING A passage says slips and falls are the main causes of injuries. What is its stated primary cause?	020 ANSWER Slips and falls. Choose the explicitly stated cause rather than another hazard merely mentioned in the passage. Source PDF p. 5

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021 ENGLISH & READING A passage mentions lifting, spills, and slips. How do you choose its main point?	021 ANSWER Use the passage's emphasis and explicit statements. A detail appearing in the text is not automatically the main point. Source PDF p. 5
022 ENGLISH & READING What does first signal in a question?	022 ANSWER Choose the initial action in a sequence, not merely an action that could be appropriate later. Source PDF p. 6
023 ENGLISH & READING Use better or best when comparing exactly two runners?	023 ANSWER Better. The comparative form compares two; the superlative best generally compares three or more. Source PDF p. 6
024 ENGLISH & READING Use worse or worst when comparing exactly two runners?	024 ANSWER Worse. Worst is the superlative form. Source PDF p. 6
025 ENGLISH & READING What is a prefix?	025 ANSWER A word part added at the beginning of a word to change its meaning. Source PDF p. 7

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026 ENGLISH & READING What is a suffix?	026 ANSWER A word part added at the end of a word to change its meaning or grammatical role. Source PDF p. 7
027 ENGLISH & READING What are synonyms?	027 ANSWER Words with the same or similar meanings, such as quick and fast. Source PDF p. 7
028 ENGLISH & READING What are antonyms?	028 ANSWER Words with opposite meanings, such as hot and cold. Source PDF p. 7
029 ENGLISH & READING What is a noun?	029 ANSWER A word naming a person, place, thing, or idea. Examples: teacher, school, pencil, kindness. Source PDF p. 7
030 ENGLISH & READING What is a pronoun?	030 ANSWER A word used in place of a noun or noun phrase, such as she, it, or they. Source PDF p. 7

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031 ENGLISH & READING What is a verb?	031 ANSWER A word expressing an action or a state of being. Examples: run, teach, is. The guide emphasizes action verbs. Source PDF p. 7
032 ENGLISH & READING What is an adverb?	032 ANSWER A word that modifies a verb, adjective, or another adverb. In reads carefully, carefully modifies reads. The guide emphasizes modifying verbs. Source PDF p. 7
033 ENGLISH & READING What is an adjective?	033 ANSWER A word that describes or modifies a noun or pronoun, such as blue in blue notebook. Source PDF p. 7
034 ENGLISH & READING What is a conjunction?	034 ANSWER A word joining words, phrases, or clauses, such as and, but, or because. Source PDF p. 7
035 ENGLISH & READING What is a preposition?	035 ANSWER A word showing a relationship to another word, often place, time, or direction. Examples: under, between, from, to. Source PDF p. 7

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036 WORD PARTS What does pre- mean?	036 ANSWER Before. Example: pretest = a test before instruction. Source PDF p. 7
037 WORD PARTS What does post- mean?	037 ANSWER After. Example: postwar = after a war. Source PDF p. 7
038 WORD PARTS What does un- mean?	038 ANSWER Not or opposite. Example: unhappy = not happy. Source PDF p. 7
039 WORD PARTS What meaning of in- is listed in this guide?	039 ANSWER Not. Example: inactive = not active. A prefix can have other meanings in other words. Source PDF p. 7
040 WORD PARTS What does sub- mean?	040 ANSWER Under or below. Example: submarine = a vessel operating under water. Source PDF p. 7

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041 WORD PARTS What does inter- mean?	041 ANSWER Between or among. Example: interstate = between states. Source PDF p. 7
042 WORD PARTS What does mis- mean?	042 ANSWER Wrongly or badly. Example: misread = read incorrectly. The guide lists not or bad. Source PDF p. 7
043 WORD PARTS What does dis- mean?	043 ANSWER Not or opposite. Example: disagree = not agree. Source PDF p. 7
044 WORD PARTS What does trans- mean?	044 ANSWER Across. Example: transatlantic = across the Atlantic. Source PDF p. 7
045 WORD PARTS What does anti- mean?	045 ANSWER Against. Example: antiwar = opposed to war. Source PDF p. 7

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046 WORD PARTS What does pro- mean?	046 ANSWER In favor of or supporting. Example: proeducation = supporting education. Source PDF p. 7
047 WORD PARTS What does super- mean?	047 ANSWER Above or beyond. Example: superhuman = beyond ordinary human ability. Source PDF p. 7
048 WORD PARTS What does -ette mean in the guide's suffix list?	048 ANSWER Small. Example: kitchenette = a small kitchen. Source PDF p. 7
049 WORD PARTS What meaning does the guide give for -ess?	049 ANSWER Female, as in lioness. This is a word-formation meaning, not a rule that all job titles need gendered forms. Source PDF p. 7
050 WORD PARTS What does -ize mean?	050 ANSWER Make or cause to become. Example: modernize = make modern. Source PDF p. 7

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051 WORD PARTS What does -ist mean?	051 ANSWER A person who practices, studies, or is associated with something. Example: artist. Source PDF p. 7
052 WORD PARTS What does -ian mean in the guide?	052 ANSWER One who, or a person associated with something. Example: musician. Source PDF p. 7
053 WORD PARTS What does -ish mean?	053 ANSWER Having the quality of or somewhat like. Example: childish = like a child. Source PDF p. 7
054 WORD PARTS What does -less mean?	054 ANSWER Without. Example: fearless = without fear. Source PDF p. 7
055 WORD PARTS What does -ous mean?	055 ANSWER Having or full of. Example: dangerous = having danger. Source PDF p. 7

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056 WORD PARTS What does -able mean?	056 ANSWER Can be or capable of being. Example: washable = can be washed. Source PDF p. 7
057 WORD PARTS What does -ness mean?	057 ANSWER A state or quality. Example: kindness = the quality of being kind. This clarifies the guide's imprecise label having. Source PDF p. 7
058 WORD PARTS What does -or mean in the guide?	058 ANSWER One who. Example: instructor = one who instructs. Source PDF p. 7
059 WORD PARTS What does -ion mean?	059 ANSWER An act or process, and sometimes its result. Example: construction = the act or process of constructing. Source PDF p. 7
060 WORD PARTS What meaning does the guide give for -en?	060 ANSWER Made of. Example: wooden = made of wood. Other uses of -en can have different meanings. Source PDF p. 7

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061 MATH LANGUAGE Which words often signal addition?	061 ANSWER Sum, total, increased by, more than, combined, and added to. Always check the complete relationship in the problem. Source PDF p. 8
062 MATH LANGUAGE Which words often signal subtraction?	062 ANSWER Difference, decreased by, minus, fewer than, and less than. Be careful about the order of the quantities. Source PDF p. 8
063 MATH LANGUAGE Which words often signal multiplication?	063 ANSWER Times, product, multiplied by, and of in phrases such as one-half of a number. Source PDF p. 8
064 MATH LANGUAGE Which words often signal division?	064 ANSWER Quotient, per, out of, and ratio. For example, cost per item is total cost divided by number of items. Source PDF p. 8
065 MATH LANGUAGE Write the sum of 8 and y.	065 ANSWER $8 + y$. Source PDF p. 8

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066 MATH LANGUAGE Write 4 less than y.	066 ANSWER y - 4. Less than reverses the spoken order here. Source PDF p. 8
067 MATH LANGUAGE Write y multiplied by 13.	067 ANSWER 13y, or 13 x y. Source PDF p. 8
068 MATH LANGUAGE Write the quotient of y and 3.	068 ANSWER y / 3. Source PDF p. 8
069 MATH LANGUAGE Write the difference of 5 and y.	069 ANSWER 5 - y. Source PDF p. 8
070 MATH LANGUAGE Write the ratio of 9 more than y to y.	070 ANSWER (y + 9) / y, with y not equal to zero. Source PDF p. 8

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071 MATH LANGUAGE Write nine less than the total of y and 2.	071 ANSWER $(y + 2) - 9 = y - 7$. Source PDF p. 8
072 MATH LANGUAGE What does percent mean?	072 ANSWER Per hundred. To turn a percent into a decimal, divide by 100: 25% = 0.25. Source PDF p. 8
073 FRACTIONS & DECIMALS What are the numerator and denominator?	073 ANSWER The numerator is above the fraction bar; the denominator is below it. In $\frac{3}{5}$, 3 is the numerator and 5 is the denominator. Source PDF p. 9
074 FRACTIONS & DECIMALS How do you add or subtract fractions with the same denominator?	074 ANSWER Add or subtract the numerators and keep the denominator. Then simplify. Source PDF p. 9
075 FRACTIONS & DECIMALS Calculate $\frac{5}{13} + \frac{6}{13}$.	075 ANSWER $\frac{11}{13}$. Add 5 + 6 and keep 13. Source PDF p. 9

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076 FRACTIONS & DECIMALS What must you do before adding fractions with different denominators?	076 ANSWER Rewrite them with a common denominator. Multiply each numerator and denominator by the same factor to keep its value unchanged. Source PDF p. 9
077 FRACTIONS & DECIMALS Calculate $\frac{3}{5} + \frac{2}{7}$.	077 ANSWER $\frac{31}{35}$. Rewrite as $\frac{21}{35} + \frac{10}{35}$, then add. Source PDF p. 9
078 FRACTIONS & DECIMALS How do you multiply fractions?	078 ANSWER Multiply numerator by numerator and denominator by denominator. Cancel common factors where helpful, then simplify. Source PDF p. 9
079 FRACTIONS & DECIMALS Calculate $\frac{1}{4} \times \frac{3}{5}$.	079 ANSWER $\frac{3}{20}$. The numerator is 1×3 and the denominator is 4×5. Source PDF p. 9
080 FRACTIONS & DECIMALS Calculate $\frac{12}{15} \times \frac{5}{6}$.	080 ANSWER $\frac{2}{3}$. Simplify $\frac{12}{15}$ to $\frac{4}{5}$; then $(4 \times 5)/(5 \times 6) = \frac{4}{6} = \frac{2}{3}$. Source PDF p. 10

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081 FRACTIONS & DECIMALS Which fraction do you invert when dividing fractions?	081 ANSWER Invert the divisor, which is the SECOND fraction, then multiply. Keep the first fraction unchanged. Source PDF p. 10
082 FRACTIONS & DECIMALS Calculate 1/5 divided by 2/3.	082 ANSWER 3/10. Multiply 1/5 by 3/2. Source PDF p. 10
083 FRACTIONS & DECIMALS How do you simplify a fraction without changing its value?	083 ANSWER Divide its numerator and denominator by the same nonzero common factor. Repeat until no common factor greater than 1 remains. Source PDF p. 10
084 FRACTIONS & DECIMALS What is the divisibility rule for 2?	084 ANSWER An integer is divisible by 2 if its last digit is 0, 2, 4, 6, or 8. Source PDF p. 10
085 FRACTIONS & DECIMALS What is the divisibility rule for 3?	085 ANSWER Add the digits. If their sum is divisible by 3, the original integer is divisible by 3. Source PDF p. 11

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086 FRACTIONS & DECIMALS What is the divisibility rule for 5?	086 ANSWER The last digit is 0 or 5. Source PDF p. 11
087 FRACTIONS & DECIMALS Simplify 26/65.	087 ANSWER 2/5. Divide both numbers by their greatest common factor, 13. Source PDF p. 11
088 FRACTIONS & DECIMALS Write 0.5 as a simplified fraction.	088 ANSWER 1/2. Start with 5/10, then divide both numbers by 5. Source PDF p. 11
089 FRACTIONS & DECIMALS Write 0.05 as a simplified fraction.	089 ANSWER 1/20. Start with 5/100, then divide both numbers by 5. Source PDF p. 11
090 FRACTIONS & DECIMALS Write 0.005 as a simplified fraction.	090 ANSWER 1/200. Start with 5/1000, then divide both numbers by 5. Source PDF p. 11

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091 FRACTIONS & DECIMALS How does decimal place value tell you a fraction's denominator?	091 ANSWER One decimal place means tenths (10), two means hundredths (100), and three means thousandths (1000). Simplify afterward. Source PDF p. 11
092 CHARTS & STATISTICS Which axis is horizontal, and which is vertical?	092 ANSWER The x-axis is horizontal. The y-axis is vertical. Source PDF p. 12
093 CHARTS & STATISTICS How do you read a value from a bar chart?	093 ANSWER Identify the category, find its bar, and match the top to the numbered scale. Check the title, labels, units, and scale spacing. Source PDF p. 12
094 CHARTS & STATISTICS In the guide's library chart, how many videos were borrowed?	094 ANSWER 200. The top of the Videos bar lines up with 200. Source PDF p. 12
095 CHARTS & STATISTICS Library totals: magazines 150, cassettes 100, videos 200, books 600. How many items in all?	095 ANSWER 1,050. Add $150 + 100 + 200 + 600$. Source PDF p. 12-13

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096 CHARTS & STATISTICS Using those library totals, what percentage were cassettes or videos?	096 ANSWER 28.57%, approximately. $(100 + 200) / 1050 \times 100 = 28.5714...\%$. Source PDF p. 13
097 CHARTS & STATISTICS What formula finds a part as a percentage of the whole?	097 ANSWER Part / whole $\times 100$. Use the total of all relevant categories for the whole. Source PDF p. 13
098 CHARTS & STATISTICS How do you calculate the mean?	098 ANSWER Add all values, then divide by the number of values. Mean is another name for average. Source PDF p. 13
099 CHARTS & STATISTICS Find the mean of 79, 67, 81, 99, 88, and 72.	099 ANSWER 81. Their sum is 486; $486 / 6 = 81$. Source PDF p. 13
100 CHARTS & STATISTICS What is the mode?	100 ANSWER The value or values occurring most often. A data set can have more than one mode. Source PDF p. 13

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101 CHARTS & STATISTICS What is the median?	101 ANSWER The middle value after sorting the data. With an even number of values, average the two middle values; this completes the guide's brief definition. Source PDF p. 13
102 CHARTS & STATISTICS Find the median of 79, 67, 81, 99, 88, and 72.	102 ANSWER 80. Sort: 67, 72, 79, 81, 88, 99. Average the middle pair: $(79 + 81) / 2 = 80$. Added practice using the guide's data. Source PDF p. 13
103 CHARTS & STATISTICS What is the range of a data set?	103 ANSWER Greatest value minus least value. For 67, 72, 79, 81, 88, 99, the range is $99 - 67 = 32$. Source PDF p. 20
104 GEOMETRY What do perpendicular and parallel mean?	104 ANSWER Perpendicular lines meet at 90 degrees. Parallel lines in a plane do not intersect. Source PDF p. 14
105 GEOMETRY What does bisect mean?	105 ANSWER Divide into two equal parts. Equal is essential; merely making two unequal pieces is not bisecting. Source PDF p. 14

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106 GEOMETRY What is the sum of a quadrilateral's interior angles?	106 ANSWER 360 degrees for a simple, flat quadrilateral. Source PDF p. 14
107 GEOMETRY What properties identify a square?	107 ANSWER Four equal sides and four right angles. Each angle is 90 degrees. Source PDF p. 14
108 GEOMETRY What are the area and perimeter formulas for a square?	108 ANSWER Area = s squared. Perimeter = 4s, where s is the side length. Source PDF p. 14
109 GEOMETRY A square has side 5 cm. Find its area and perimeter.	109 ANSWER Area = 25 square cm. Perimeter = 20 cm. Added practice using the guide's formulas. Source PDF p. 14
110 GEOMETRY What properties identify a rectangle?	110 ANSWER Opposite sides are equal and parallel, and all four angles are 90 degrees. Source PDF p. 14

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111 GEOMETRY What are the area and perimeter formulas for a rectangle?	111 ANSWER Area = length x width. Perimeter = 2 x length + 2 x width. Source PDF p. 14
112 GEOMETRY A rectangle is 8 m by 3 m. Find its area and perimeter.	112 ANSWER Area = 24 square m. Perimeter = 22 m. Added practice using the guide's formulas. Source PDF p. 14
113 GEOMETRY How are a circle's radius and diameter related?	113 ANSWER Diameter = 2 x radius. A radius runs from center to edge; a diameter crosses the center from edge to edge. Source PDF p. 14
114 GEOMETRY What is pi, and what approximation does the guide use?	114 ANSWER Pi is circumference divided by diameter. The guide uses approximately 3.14; its scan sometimes displays pi as B. Source PDF p. 14
115 GEOMETRY What is the area formula for a circle?	115 ANSWER Area = pi x radius squared. Square the radius, not the diameter. Source PDF p. 14

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116 GEOMETRY What is the circumference formula for a circle?	116 ANSWER Circumference = $2 \times \pi \times \text{radius}$, or $\pi \times \text{diameter}$. Source PDF p. 14
117 GEOMETRY Using $\pi = 3.14$, find the area and circumference of a circle with radius 3.	117 ANSWER Area = $3.14 \times 9 = 28.26$ square units. Circumference = $2 \times 3.14 \times 3 = 18.84$ units. Added practice. Source PDF p. 14
118 GEOMETRY What is the sum of a triangle's interior angles?	118 ANSWER 180 degrees. A right triangle has one 90-degree angle. Source PDF p. 14
119 GEOMETRY What is the formula for a triangle's area?	119 ANSWER Area = $\text{base} \times \text{perpendicular height} / 2$. The height can fall outside the triangle; it must be perpendicular to the base or its extension. Source PDF p. 14-15
120 GEOMETRY How do you find a triangle's perimeter?	120 ANSWER Add all three side lengths. Do not confuse the height with a side unless it actually is that side. Source PDF p. 14

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121 GEOMETRY Which side is the hypotenuse?	121 ANSWER The side opposite the 90-degree angle in a right triangle. It is the longest side. Source PDF p. 15
122 GEOMETRY State the Pythagorean theorem.	122 ANSWER $a^2 + b^2 = c^2$, for a right triangle, where c is the hypotenuse. Source PDF p. 15
123 GEOMETRY A right triangle has legs 3 and 4. Find the hypotenuse.	123 ANSWER 5. Its square is $3^2 + 4^2 = 9 + 16 = 25$; the positive square root is 5. Source PDF p. 15
124 GEOMETRY A right triangle has hypotenuse 10 and one leg 6. Find the other leg.	124 ANSWER 8. The unknown leg squared is $10^2 - 6^2 = 64$. Take the square root of 64, not 16; the guide has a typo in that step. Source PDF p. 15
125 MATH VOCABULARY What is an acute angle?	125 ANSWER An angle greater than 0 degrees and less than 90 degrees. Source PDF p. 16

126 MATH VOCABULARY What is an angle, and what is its vertex?	126 ANSWER Two rays sharing an endpoint form an angle. Their common endpoint is the vertex. Source PDF p. 16
127 MATH VOCABULARY What does area measure?	127 ANSWER The amount of two-dimensional surface inside a shape, measured in square units. Source PDF p. 16
128 MATH VOCABULARY In 10 cubed, identify the base and explain the expression.	128 ANSWER The base is 10. 10 cubed = $10 \times 10 \times 10 = 1000$. Source PDF p. 16
129 MATH VOCABULARY What is a circle graph used to show?	129 ANSWER Parts of a whole. It is also called a pie chart. Source PDF p. 16
130 MATH VOCABULARY What is a coefficient? Identify it in $7x$.	130 ANSWER A numerical factor multiplying a variable. In $7x$, the coefficient is 7. Source PDF p. 16

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131 MATH VOCABULARY What is a common multiple of 3 and 4?	131 ANSWER 12 is one. It is a multiple of both numbers. Other common multiples include 24 and 36. Source PDF p. 16
132 MATH VOCABULARY What is a composite number?	132 ANSWER An integer greater than 1 with factors other than 1 and itself. Example: 6 has factors 1, 2, 3, 6. Source PDF p. 16
133 MATH VOCABULARY What does congruent mean?	133 ANSWER Exactly the same shape and size, even if moved, rotated, or reflected. Source PDF p. 16
134 MATH VOCABULARY What are consecutive integers?	134 ANSWER Integers following one another with no gaps, such as 4, 5, 6. Source PDF p. 16
135 MATH VOCABULARY What is a constant?	135 ANSWER A value that does not change in the situation or expression being considered. Source PDF p. 16

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136 MATH VOCABULARY What is a coordinate on a number line?	136 ANSWER The number identifying a point's position on the line. Source PDF p. 16
137 MATH VOCABULARY What is a decimal representation?	137 ANSWER A way to write numbers using place value and a decimal point, such as 0.75. Source PDF p. 16
138 MATH VOCABULARY What does a degree measure in geometry?	138 ANSWER The size of an angle. A right angle measures 90 degrees. Source PDF p. 17
139 MATH VOCABULARY What is the difference in a subtraction problem?	139 ANSWER The answer. In $9 - 4 = 5$, the difference is 5. Source PDF p. 17
140 MATH VOCABULARY State the distributive property.	140 ANSWER $a(b + c) = ab + ac$. Multiply the factor outside the parentheses by each term inside. Source PDF p. 17

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141 MATH VOCABULARY Expand $3(x + 4)$.	141 ANSWER $3x + 12$. Added practice: distribute 3 to both x and 4. Source PDF p. 17
142 MATH VOCABULARY What does divisible mean?	142 ANSWER Dividing by the specified nonzero number leaves a remainder of zero. Source PDF p. 17
143 MATH VOCABULARY What is an equation?	143 ANSWER A statement that two expressions are equal. It has an equals sign; it does not have to contain a variable. Example: $2 + 3 = 5$. Source PDF p. 17
144 MATH VOCABULARY What are equivalent fractions?	144 ANSWER Fractions with the same value. For example, $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$. Source PDF p. 17
145 MATH VOCABULARY What is an estimate?	145 ANSWER An approximate answer rather than an exact answer. Source PDF p. 17

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146 MATH VOCABULARY What does evaluate mean? Evaluate $2x + 1$ for $x = 3$.	146 ANSWER Find the value. Substitute 3 for x: $2(3) + 1 = 7$. Source PDF p. 17
147 MATH VOCABULARY What is an even integer?	147 ANSWER An integer divisible by 2. Its last digit is 0, 2, 4, 6, or 8. Source PDF p. 17
148 MATH VOCABULARY What does a positive whole-number exponent tell you?	148 ANSWER How many times to use the base as a factor. In 5 cubed, multiply $5 \times 5 \times 5$, not 5×3. Source PDF p. 17
149 MATH VOCABULARY What is a factor?	149 ANSWER A number multiplied by another to make a product. Integer factors divide a number without a remainder; 3 and 4 are factors of 12. Source PDF p. 17
150 MATH VOCABULARY What is a formula?	150 ANSWER An equation expressing a rule or relationship, such as $A = \text{length} \times \text{width}$. Source PDF p. 17

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151 MATH VOCABULARY What is a fraction?	151 ANSWER A number written as a numerator divided by a nonzero denominator. It can represent part of a whole, a ratio, or division. Source PDF p. 17
152 MATH VOCABULARY What does > mean? What does >= mean?	152 ANSWER > means greater than; >= means greater than or equal to. The guide repeats the > label for both definitions; the equality distinction matters. Source PDF p. 17
153 MATH VOCABULARY What is the greatest common factor of 12 and 18?	153 ANSWER 6. It is the largest positive integer dividing both without a remainder. Source PDF p. 18
154 MATH VOCABULARY What is a coordinate grid?	154 ANSWER A system of intersecting perpendicular lines used to locate points, often with horizontal x and vertical y axes. Source PDF p. 18
155 MATH VOCABULARY Which digit is in the hundredths place in 0.86?	155 ANSWER 6. It represents 6/100. The second digit to the right of the decimal is the hundredths digit. Source PDF p. 18

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156 MATH VOCABULARY What are integers?	156 ANSWER Whole-number values and their negatives, including zero: ..., -2, -1, 0, 1, 2, Non-whole fractional values such as $\frac{1}{2}$ are not integers. Source PDF p. 18
157 MATH VOCABULARY What is the least common denominator of fractions with denominators 4 and 6?	157 ANSWER 12. It is the least positive common multiple of the denominators. Source PDF p. 18
158 MATH VOCABULARY What does $<$ mean? What does $\leq$ mean?	158 ANSWER $<$ means less than; $\leq$ means less than or equal to. The guide repeats the $<$ label for both definitions. Source PDF p. 18
159 MATH VOCABULARY How do a line and a line segment differ?	159 ANSWER A line extends forever in both directions. A line segment has two endpoints. Source PDF p. 18
160 MATH VOCABULARY What is a line graph often used to show?	160 ANSWER How a quantity changes, often over time, by connecting plotted points. Source PDF p. 18

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161 MATH VOCABULARY What is a line plot?	161 ANSWER A display placing marks above a number line to show data frequency. Each mark represents one observation. Source PDF p. 18
162 MATH VOCABULARY What is a mixed number?	162 ANSWER A whole-number part plus a fractional part, such as 2 1/2. Source PDF p. 18
163 MATH VOCABULARY What is a multiple?	163 ANSWER A product of a number and a whole number. Multiples of 4 include 0, 4, 8, 12, and 16. Source PDF p. 18
164 MATH VOCABULARY What are negative and positive numbers?	164 ANSWER Negative numbers are less than zero; positive numbers are greater than zero. Zero is neither positive nor negative. Source PDF p. 19
165 MATH VOCABULARY What is a number line?	165 ANSWER A line displaying numbers in order. Values increase as you move right and decrease as you move left. Source PDF p. 19

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166 MATH VOCABULARY What is an odd integer?	166 ANSWER An integer not divisible by 2. Its last digit is 1, 3, 5, 7, or 9. Source PDF p. 19
167 MATH VOCABULARY What is an ordered pair?	167 ANSWER Two coordinates written (x, y), locating a point on a coordinate grid. Source PDF p. 19
168 MATH VOCABULARY What do parentheses tell you to do in $2(3 + 4)$?	168 ANSWER Evaluate the grouped sum first, then multiply: $2 \times 7 = 14$. Source PDF p. 19
169 MATH VOCABULARY What does perimeter measure?	169 ANSWER The distance around the boundary of a flat figure, measured in linear units. Source PDF p. 19
170 MATH VOCABULARY What does plot a point mean?	170 ANSWER Locate its coordinates on a grid and mark the position. Source PDF p. 19

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171 MATH VOCABULARY What is a point?	171 ANSWER An exact location with no length, width, or thickness. Points are often named with capital letters. Source PDF p. 19
172 MATH VOCABULARY What is a prime number? Is 1 prime?	172 ANSWER A positive integer greater than 1 with exactly two positive factors: 1 and itself. One is not prime. Two is prime. Source PDF p. 19
173 MATH VOCABULARY What is probability?	173 ANSWER A measure of how likely an event is to occur. It can be expressed from 0 to 1, or 0% to 100%. Source PDF p. 19
174 MATH VOCABULARY What is a product? What is a quotient?	174 ANSWER A product is the answer to multiplication. A quotient is the answer to division. Source PDF p. 19
175 MATH VOCABULARY What happens when a number is multiplied or divided by 1?	175 ANSWER Its value stays the same. Also, a nonzero number divided by itself equals 1. Source PDF p. 19

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176 MATH VOCABULARY What is a ray?	176 ANSWER Part of a line with one endpoint, extending forever in one direction. Source PDF p. 20
177 MATH VOCABULARY What is a remainder?	177 ANSWER The amount left over in division. For example, 14 divided by 4 is 3 remainder 2. Source PDF p. 20
178 MATH VOCABULARY What is a right angle?	178 ANSWER An angle of exactly 90 degrees. Source PDF p. 20
179 MATH VOCABULARY How do you round to a specified place?	179 ANSWER Look at the next digit: 5 or more, round up; less than 5, keep the target digit. Replace following whole-number digits with zeros as needed. Source PDF p. 20
180 MATH VOCABULARY What sign results when multiplying or dividing two nonzero numbers?	180 ANSWER Same signs give a positive result; different signs give a negative result. Do not apply this rule to addition or subtraction. Source PDF p. 20

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181 MATH VOCABULARY What happens to the sign when multiplying several nonzero numbers?	181 ANSWER An even number of negative factors gives a positive product. An odd number gives a negative product. Source PDF p. 20
182 MATH VOCABULARY When is a fraction in simplest form?	182 ANSWER Its numerator and denominator have no common positive factor other than 1. Source PDF p. 20
183 MATH VOCABULARY What is a sum?	183 ANSWER The answer to addition. In $4 + 7 = 11$, the sum is 11. Source PDF p. 20
184 MATH VOCABULARY Which digit is in the tenths place in 0.86?	184 ANSWER 8. It represents $\frac{8}{10}$. The first digit to the right of the decimal is the tenths digit. Source PDF p. 20
185 MATH VOCABULARY What is a triangle?	185 ANSWER A polygon with three sides and three vertices. Source PDF p. 20

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186 MATH VOCABULARY What is a variable?	186 ANSWER A symbol representing a number or value that can vary or is unknown, such as x. Source PDF p. 20
187 MATH VOCABULARY What does volume measure?	187 ANSWER The three-dimensional space inside a solid, measured in cubic units. Source PDF p. 20
188 MATH VOCABULARY In the ordered pair (4, 7), which is x and which is y?	188 ANSWER $x = 4$; $y = 7$. Read the horizontal coordinate first and the vertical coordinate second. Source PDF p. 21
189 MATH VOCABULARY What is an x-intercept?	189 ANSWER A point where a graph crosses or meets the x-axis. Its y-coordinate is 0. Source PDF p. 21
190 MATH VOCABULARY What is a y-intercept?	190 ANSWER A point where a graph crosses or meets the y-axis. Its x-coordinate is 0. Source PDF p. 21

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191 MATH VOCABULARY What is zero divided by a nonzero number?	191 ANSWER Zero. For example, $0 / 5 = 0$. Source PDF p. 21
192 MATH VOCABULARY Can you divide a number by zero?	192 ANSWER No. Division by zero is undefined, including $0 / 0$. Source PDF p. 21
193 MATH VOCABULARY What is any number multiplied by zero?	193 ANSWER Zero. For example, $83 \times 0 = 0$. Source PDF p. 21