

10 California CAASPP

GRADE
6
MATH

PRACTICE TESTS

Standards-Aligned Review
Mixed Practice & Answer Key



10 PRINTED TESTS

Realistic practice to build confidence and mastery



2 ONLINE TESTS

Extra practice for continued success



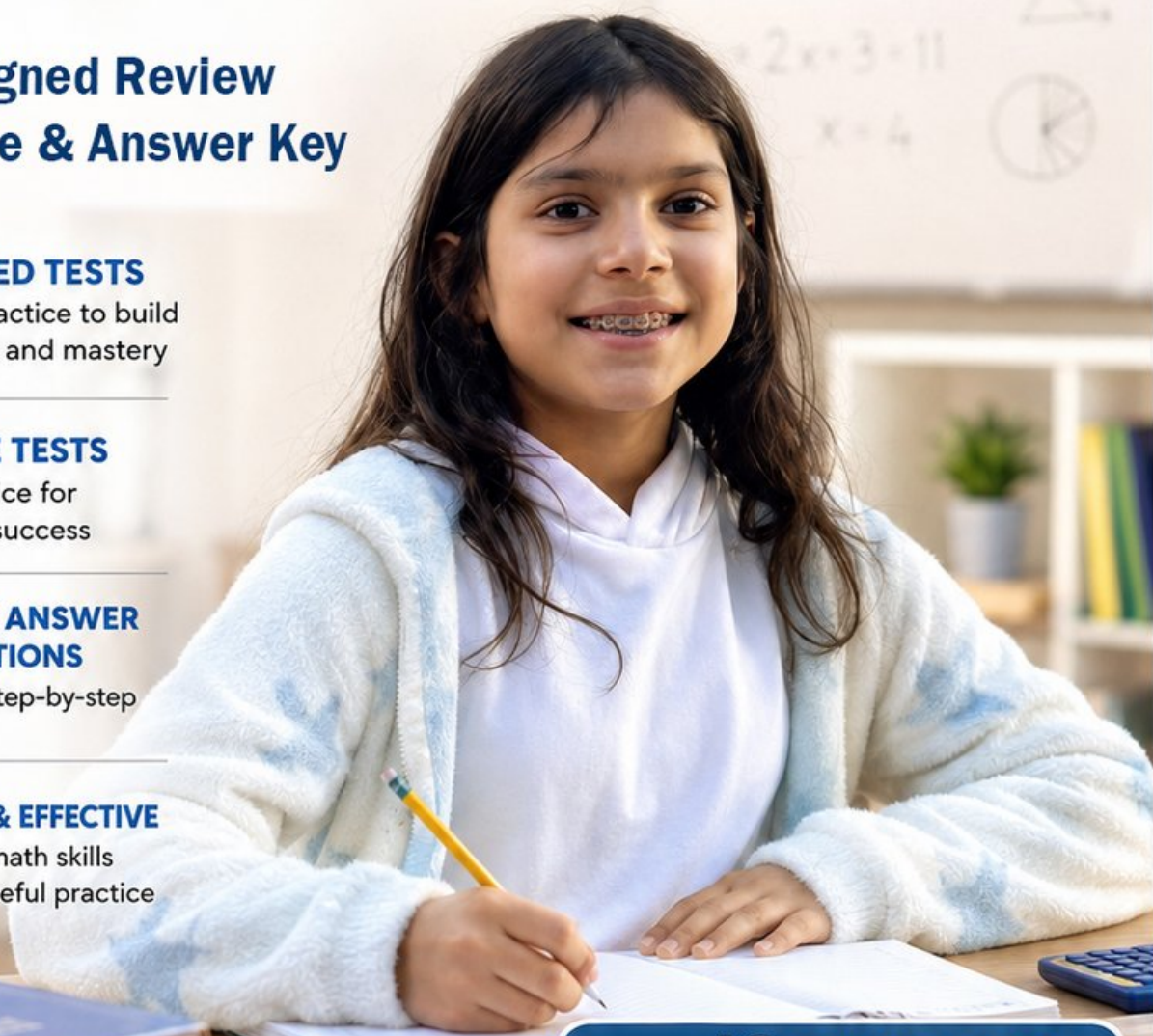
DETAILED ANSWER EXPLANATIONS

Learn with step-by-step solutions



FOCUSED & EFFECTIVE

Target key math skills with purposeful practice



10 PRINTED TESTS
+ 2 ONLINE TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.

PRACTICE • REVIEW • SUCCEED

10 California CAASPP Grade 6 Math Practice Tests

Standards-Aligned Flexible West Coast Thinking for California Assessment of Student Performance and Progress



Ten complete 40-question Grade 6 practice rounds for CAASPP, with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, California Math Explorer!

Ten steady rounds on a coast-to-redwoods math journey

This book gives you ten full Grade 6 practice tests for CAASPP. Each round uses Pacific routes, redwood shadows, and city problem solving as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your California Practice Promise

Use a model when the numbers feel busy. I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for flexible West Coast thinking

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Work in a quiet place and answer all 40 questions.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

California review rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Ten CAASPP tests, 400 questions, and a full review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for ratios, rational numbers, operations, and careful reading.
Tests 4–6	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategy choices.
Test 10	Final California round to show growth across the whole book.
Answer Pages	Compact keys and explanations that show why each answer works.

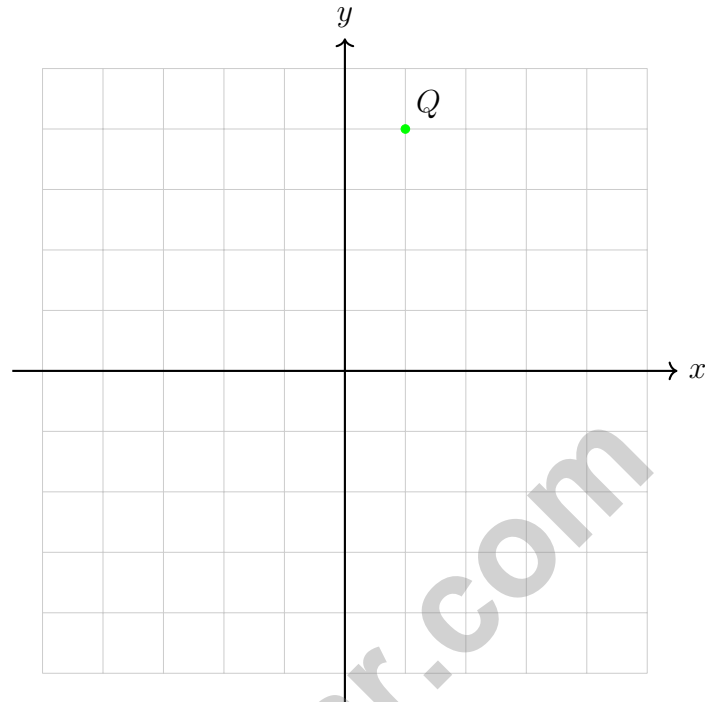
The tests are mixed on purpose. Flexible west coast thinking means recognizing the skill even when the next question changes topic.



Scan me!
For more practice
& answers

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1)

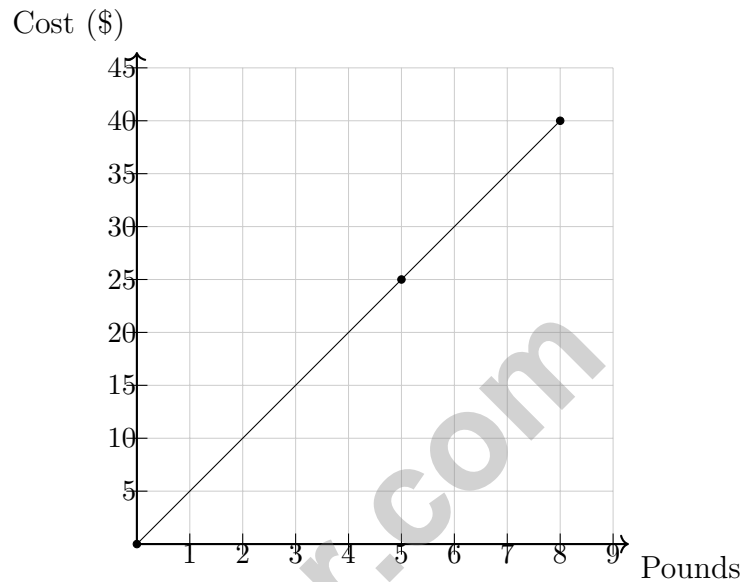
If point Q is reflected across the x -axis, what are the new coordinates?

 A. $(1, 4)$ C. $(-1, 4)$ B. $(-1, -4)$ D. $(1, -4)$

2) Alex saves \$100 from a \$500 income. Jordan saves \$75 from a \$400 income. Who saves a higher percentage of income?

 A. Alex at 20% C. Jordan at 18.75% B. Alex at 25% D. Jordan at 25%

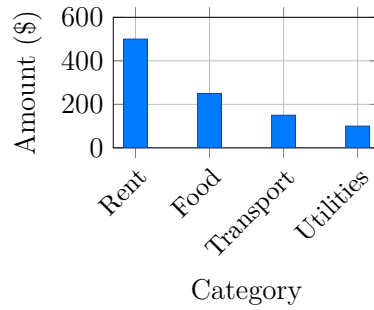
- 3) A landscaper charges for grass seed by the pound. The cost for 5 pounds is \$25, and the cost for 8 pounds is \$40. Is the relationship between pounds of seed and cost proportional?



- A. Yes; cost always increases with amount
- B. No; the ratios $\$25/5$ lbs and $\$40/8$ lbs are different
- C. Cannot determine from two points
- D. Yes; both ratios equal \$5 per pound



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4)

The bar chart shows a household budget. What is the total budget?

- A. \$800
- B. \$1000
- C. \$1200
- D. \$1400

5) A teacher grades papers at a constant rate. The table shows how many papers are graded over time:

Papers Graded	Time (minutes)
12	20
24	40
30	?

- A. 45
- B. 50
- C. 60
- D. 75

6) Estimate: $19.8 \div 4.1$. Which is closest?

- A. 5
- B. 10
- C. 24
- D. 1

1) What is the GCF of 10 and 15?

A. 2

C. 5

B. 3

D. 10

2) A cube has an edge length of 4 cm. What is its total surface area?

A. 16 cm^2

C. 96 cm^2

B. 64 cm^2

D. 128 cm^2

3) A circle has a radius of 5 cm. What is its approximate area? Use $\pi \approx 3.14$.

A. 15.7 cm^2

C. 78.5 cm^2

B. 31.4 cm^2

D. 314 cm^2

4) Which question would you answer by collecting data?

A. What is 5×6 ?

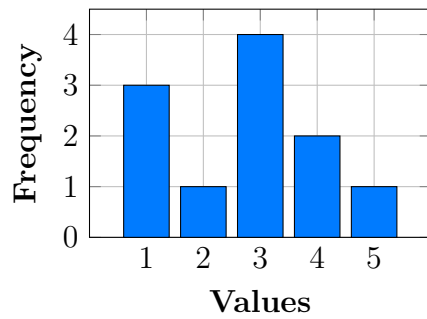
C. What are the favorite colors of students in my grade?

B. How many planets are in our solar system?

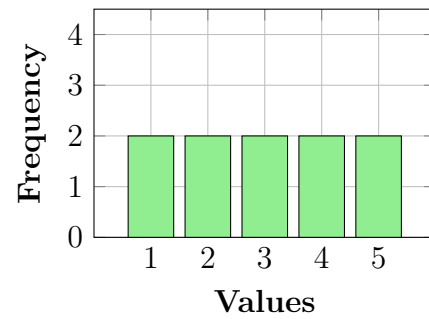
D. What is the freezing point of water?



5) Which histogram shows a UNIFORM distribution?

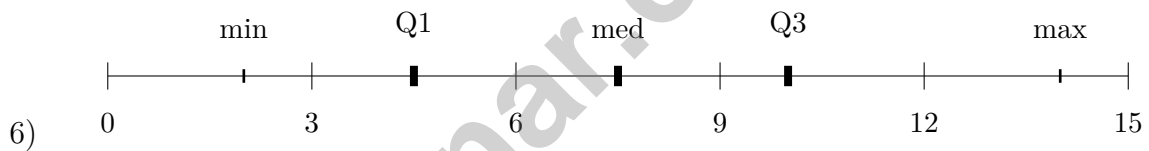


A (Skewed)



B (Uniform)

- A. Plot A (has peaks) C. Neither is uniform
 B. Cannot compare histograms this way D. Plot B (equal frequencies)



A box plot summary shows min = 2, Q1 = 4.5, median = 7.5, Q3 = 10, max = 14. Find the range and IQR.

- A. Range = 12, IQR = 5.5 C. Range = 7.5, IQR = 5.5
 B. Range = 12, IQR = 3 D. Range = 5.5, IQR = 2



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1) Solve for x : $8x = 32$

A. $x = 4$

C. $x = 40$

B. $x = 24$

D. $x = 256$

2) A printer prints 30 pages in 5 minutes. At this rate, how many pages will it print in 12 minutes?

A. 36

C. 90

B. 60

D. 72

3)

Pounds	1	2	3
Ounces	16	32	48

A dog weighs 5 pounds. Based on the conversion table, how many ounces does the dog weigh?

A. 64 ounces

C. 48 ounces

B. 80 ounces

D. 96 ounces

4) A scale drawing has a scale of 1 inch = 12 feet. If the actual length of a building is 60 feet, what is its length in the drawing?

A. 4 inches

C. 6 inches

B. 5 inches

D. 7.2 inches

5) A cable is 5 meters long and is divided into sections of $\frac{5}{6}$ meter each. How many sections are there?

A. 5

C. 8

B. 6

D. 10



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& answers

6) What is $25.6 - 13.8$?

A. 11.8

C. 38.4

B. 12.2

D. 39.4

7) What is the GCF of 15 and 35?

A. 3

C. 7

B. 5

D. 15

8) Expand $8(6 + 2)$.

A. $48 + 16$

C. $8 + 8$

B. $48 + 2$

D. 64

9) A diver starts at sea level (elevation 0). The diver descends 12 meters. What is the diver's elevation?

A. 12 meters

C. 0 meters

B. -12 meters

D. 24 meters

10) The absolute value of a negative number is:

A. Always negative

D. Sometimes negative and sometimes positive

B. Always positive

C. Always zero

11) On a number line, the distance from -4 to 2 is equal to the distance from 0 to which number?

A. -6

C. 6

B. 3

D. 8



California CAASPP Practice Test Answer Keys

How to use this section with a Grade 6 student:

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

A calm correction routine turns every missed item into useful practice.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** **(6.NS.1)** Point Q is at $(1, 4)$. When reflected across the x -axis, the x -coordinate stays the same and the y -coordinate changes sign, giving $(1, -4)$.
- 2) **Choice A is correct.** **(6.SP.3)** Alex: $\frac{\$100}{\$500} = 0.20 = 20\%$. Jordan: $\frac{\$75}{\$400} = 0.1875 = 18.75\%$. Alex saves a higher percentage.
- 3) **Choice D is correct.** **(6.SP.4)** Ratios: $25/5 = 5$ and $40/8 = 5$ dollars per pound. The constant ratio confirms a proportional relationship with equation $c = 5p$. The line passes through the origin.
- 4) **Choice B is correct.** **(6.SP.4)** Total: $\$500 + \$250 + \$150 + \$100 = \$1000$.
- 5) **Choice B is correct.** **(6.RP.1)** The rate is $12 : 20$ or $3 : 5$. For 30 papers: $30 \div 3 = 10$, so $10 \times 5 = 50$ minutes.
- 6) **Choice A is correct.** **(6.SP.5)** Round: $19.8 \approx 20$ and $4.1 \approx 4$. Then $20 \div 4 = 5$. The exact answer is ≈ 4.83 .
- 7) **The correct answer is 120.** **(6.NS.4)** Area = $15 \times 8 = 120$ square inches.
- 8) **Choice A is correct.** **(6.NS.4)** 17.5% of 520 is $0.175 \times 520 = 91$ customers.
- 9) **Choice C is correct.** **(6.NS.8)** Total squares = 50. Pink squares = 25. Probability = $\frac{25}{50} = \frac{1}{2}$.
- 10) **Choice D is correct.** **(6.EE.5)** The 5 blue parts stand for 25 units, so each part is $25 \div 5 = 5$ units. Yellow is 3 parts, so $3 \times 5 = 15$ units.
- 11) **Choice D is correct.** **(6.G.1)** Part-to-whole compares one part (red cars) to the total (all cars sold). Since the clue says "for every 7 cars sold, 2 are red," the 7 is the total and 2 is the red part. Thus red cars to all cars sold is $2 : 7$, which is the part-to-whole ratio.
- 12) **Choice C is correct.** **(6.NS.8)** Divide pages by time: $45 \div \frac{3}{4} = 45 \times \frac{4}{3} = \frac{180}{3} = 60$ pages per hour.
- 13) **Choice B is correct.** **(6.SP.2)** From the double number line, 3 miles in 10 minutes gives $3 \div 10 = 0.3$ miles per minute.
- 14) **Choice B is correct.** **(6.NS.8)** The ratio is 6 balls:2 rackets, which simplifies to 3:1. So for every 3 tennis balls (x), there is 1 tennis racket (y). The constant of proportionality is $k = \frac{2}{6} = \frac{1}{3}$. Therefore, $y = \frac{1}{3}x$.
- 15) **Choice C is correct.** **(6.EE.3)** $\frac{36}{40} = \frac{9}{10} = \frac{90}{100} = 90\%$ (simplify, then write with denominator 100).
- 16) **Choice A is correct.** **(6.EE.1)** If 25% discount, customer pays 75% of original. So $0.75 \times \text{original} = 75$. Original = $75 \div 0.75 = 100$.
- 17) **Choice C is correct.** **(6.EE.3)** Runner A: $5 \div 40 = 0.125$ miles/min. Runner B: $6 \div 48 = 0.125$ miles/min. Same rate.
- 18) **The correct answer is Statements B, C, and E are correct: Time is the independent variable (you choose how long to run); the equation is $d = 8t$; and the constant rate is 8 mph.** **(6.SP.4)** Correct: B (time is independent—you control it), C (equation $d = 8t$ is correct), and E (the rate is indeed 8 mph). Incorrect: A (distance depends on time), D (reverses the relationship).
- 19) **Choice B is correct.** **(6.EE.4)** Divide: $750 \div 10 = 75$ cm.
- 20) **Choice D is correct.** **(6.EE.3)** Multiply: 5 inches \times 25 miles/inch = 125 miles.
- 21) **The correct answer is 3.** **(6.EE.3)** From $V = L \times W \times H$: $120 = 8 \times 5 \times H = 40 \times H$, so $H = 3$ ft.
- 22) **Choice B is correct.** **(6.EE.9)** If 1 can covers $\frac{2}{3}$ wall, then to cover $\frac{1}{2}$ wall we need $\frac{1}{2} \div \frac{2}{3} = \frac{1}{2} \times \frac{3}{2} = \frac{3}{4}$ can.
- 23) **Choice A is correct.** **(6.G.1)** $6,216 \div 38 = 163$ remainder 22. Verify: $38 \times 163 + 22 = 6,216$.
- 24) **Choice C is correct.** **(6.G.2)** This is a GCF problem. Prime factors: $32 = 2^5$ and $48 = 2^4 \times 3$. GCF = $2^4 = 16$. So they can make 16 gift sets with 2 mugs and 3 candles each.
- 25) **Choice D is correct.** **(6.RP.3)** 7°C colder means we subtract 7 from the starting temperature: $3 - 7 = -4^\circ\text{C}$.
- 26) **Choice B is correct.** **(6.G.4)** We compare absolute values: $|-3| = 3$, $|5| = 5$, $|-2| = 2$, $|1| = 1$. The largest is 5.
- 27) **Choice B is correct.** **(6.SP.2)** -2.25 is exactly halfway between -2.5 and -2 , found by: $\frac{-2.5 + (-2)}{2} = -2.25$.
- 28) **Choice B is correct.** **(6.NS.1)** 3 is between 2 and 3.5 since $2 < 3 < 3.5$.
- 29) **Choice D is correct.** **(6.NS.3)** Length: $|5 - 1| = 4$ units. Width: $|4 - 1| = 3$ units. Area: $4 \times 3 = 12$ square units.



Hi, Math Champion!

◇ You trained hard! 10 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!
★

Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Coach

PRACTICE MORE. ACHIEVE MORE. SUCCEED!

This **Grade 6 Math Practice Tests** book is designed to help students build strong math skills, deepen their understanding of key concepts, and gain the confidence they need to succeed on any test.

With 10 full-length printed tests and 2 online tests, students get the review, practice, and realistic test experience they need to improve accuracy, strengthen problem-solving abilities, and reach their full potential.

Perfect for classroom use, homework, test preparation, and extra practice at home.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Building Confidence



**CONFIDENCE TODAY.
SUCCESS TOMORROW!**

WHAT STUDENTS WILL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deepen Understanding

Reinforce key math concepts aligned with standards.



Test Confidence

Get familiar with test formats and improve accuracy.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

- ✓ Ratios & Rates
- ✓ The Number System
- ✓ Expressions & Equations
- ✓ Geometry
- ✓ Fractions & Decimals
- ✓ Percents
- ✓ Statistics & Probability
- ✓ Data Analysis
- ✓ Measurement & Conversions
- ✓ And More!



2 ONLINE TESTS

Extra online practice to reinforce learning and build confidence.

MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.



10 PRINTED
PRACTICE TESTS



2 ONLINE
PRACTICE TESTS



DETAILED ANSWER
EXPLANATIONS