

4 Florida FAST

GRADE
6
MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs

4

**PRINTED
TESTS**



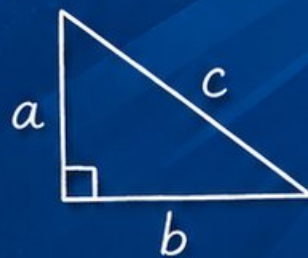
2

**ONLINE
TESTS**



- ✓ Build Confidence
- ✓ Master Key Math Skills
- ✓ Answer Explanations for Every Question
- ✓ Test-Taking Strategies That Work

$$2x + 5 = 21$$
$$x = 8$$



$$\frac{3}{4} + \frac{1}{2} = \frac{5}{4}$$

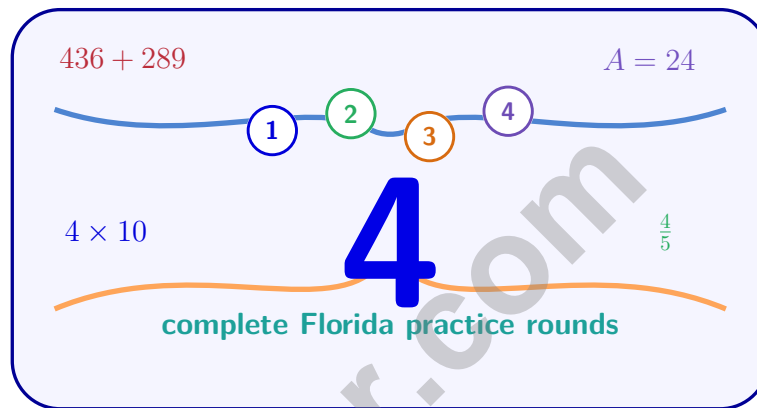


**USE THESE TWO
ADDITIONAL ONLINE
PRACTICE TESTS**

**FOR EXTRA REVIEW AFTER
THE PRINTED TESTS
IN THIS BOOK.**

4 Florida FAST Grade 6 Math Practice Tests

Standards-Aligned Sun-Bright Test Stamina for Florida Assessment of Student Thinking



Four complete 40-question Grade 6 practice rounds for FAST, built for sun-bright test stamina with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

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Welcome, Florida Math Explorer!

Four focused rounds using sun-bright test stamina

This book gives you four full Grade 6 practice tests for FAST. Each round uses coastal maps, warm light, and quick but careful checks as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your Florida Practice Promise

Stay bright and steady: read the whole question, model the math, and verify before choosing.

Read

Plan

Check

How to Use This Book

A four-session routine for sun-bright test stamina

1. **Preview the skills.** Scan the quick review pages before beginning the first round.
2. **Mark confidence.** Put a small star beside problems where your plan felt strong.
3. **Work in order.** Take one 40-question test at a time in a quiet place.
4. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.
5. **Correct actively.** Retry missed items before reading the full explanation.

Florida review rhythm: Practice, review, and return with one sharper habit for the next FAST-style round.



What Is Inside?

Four FAST tests, 160 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 3–4	Skill-building and final stamina rounds with expressions, equations, geometry, data, and problem models.
Answer Pages	Compact keys and explanations that show why each answer works.

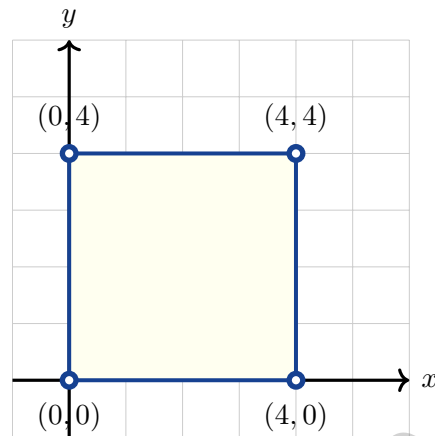
The tests are mixed on purpose. Sun-bright test stamina means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



Scan me!
For more practice
& answers

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1)

A square has vertices at $(0,0)$, $(4,0)$, $(4,4)$, and $(0,4)$. What is the perimeter?

- A. 12 units C. 18 units
 B. 14 units D. 16 units

2) Which integer is closest to zero on a number line?

- A. -5 C. 4
 B. -8 D. -1

3) The absolute value of a negative number is:

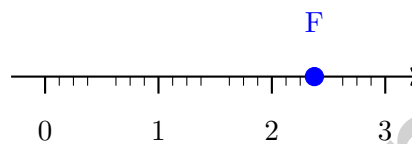
- A. Always negative D. Sometimes negative and sometimes positive
 B. Always positive
 C. Always zero



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- 4) A 10×10 grid has 52 shaded squares. What percent of the grid is shaded?

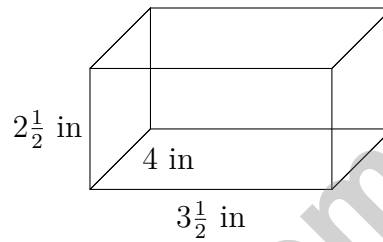
- 5) The number line below has tick marks at eighths from 0 to 1. Which mixed number is closest to point F?



- A. $2\frac{1}{4}$ C. $2\frac{1}{2}$
 B. $2\frac{3}{8}$ D. $2\frac{5}{8}$
- 6) Which statement correctly describes all points in Quadrant II?
- A. The x -coordinate is greater than the y -coordinate C. Both coordinates are negative
 B. The x -coordinate is negative and the y -coordinate is positive D. The point is below the x -axis
- 7) Which pair of dimensions would give a triangle an area of 48 cm^2 ?
- A. Base 6 cm, height 10 cm C. Base 10 cm, height 9 cm
 B. Base 8 cm, height 12 cm D. Base 16 cm, height 5 cm



- 8) A company sells 480 products in one month. If 25% of the sales were online, how many products were sold online?



9)

What is the volume of this rectangular prism?

- A. 10 in³ C. 35 in³
 B. 28 in³ D. 42 in³

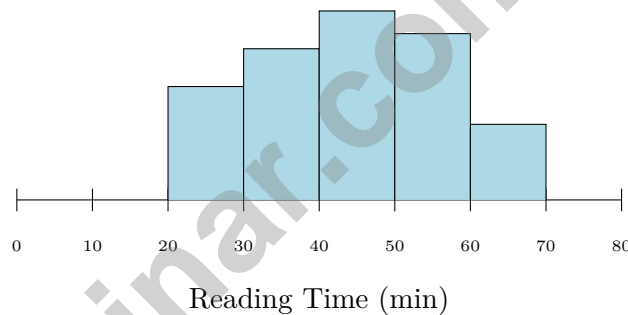


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- 1) Error Analysis: A student says, “The question ‘What color is your favorite crayon?’ is statistical because many students have different favorite colors.”
What is the error?

- A. Different answers do not automatically make a question statistical.
- B. Crayons are not used in statistics.
- C. The question is too easy for a statistical question.
- D. There is no error; the reasoning is correct.

- 2) A histogram shows students’ reading times (minutes). The distribution is left-skewed with mean = 42 and median = 48. What does this tell us about the data?



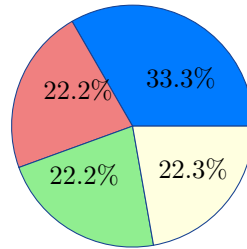
- A. A few students read for very long periods
- B. The range is very small
- C. Most students read at the same speed
- D. A few students read for very short periods
- 3) A restaurant offers a choice of 3 soups, 4 main dishes, and 2 desserts. How many different meal combinations are possible if you choose one item from each category?
- A. 9
- B. 12
- C. 24
- D. 36



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4) The mode is the value that appears most often. In a stem-and-leaf plot, the mode occurs in which stem if we see a repeated leaf?

- A. The stem with the most leaves D. The stem corresponding to the repeated leaf value
 B. The largest stem
 C. The smallest stem



5)

A circle graph shows 350 data points distributed as shown. If the 33.3% section is selected for sampling, approximately how many items will be sampled?

- A. 110 C. 120
 B. 115 D. 125

6) When displaying temperature data that varies seasonally throughout a year, which display would be LEAST effective?

- A. Line graph with months on x-axis C. Histogram grouping temperatures into ranges
 B. Dot plot of all 365 daily temperatures D. Bar graph with one bar per month

7) If the distance between points $(0, a)$ and $(0, -5)$ is 8 units, what is a ?

- A. $a = 3$ or $a = -13$ C. $a = 2$ or $a = -12$
 B. $a = -3$ or $a = 13$ D. $a = 5$ or $a = -8$

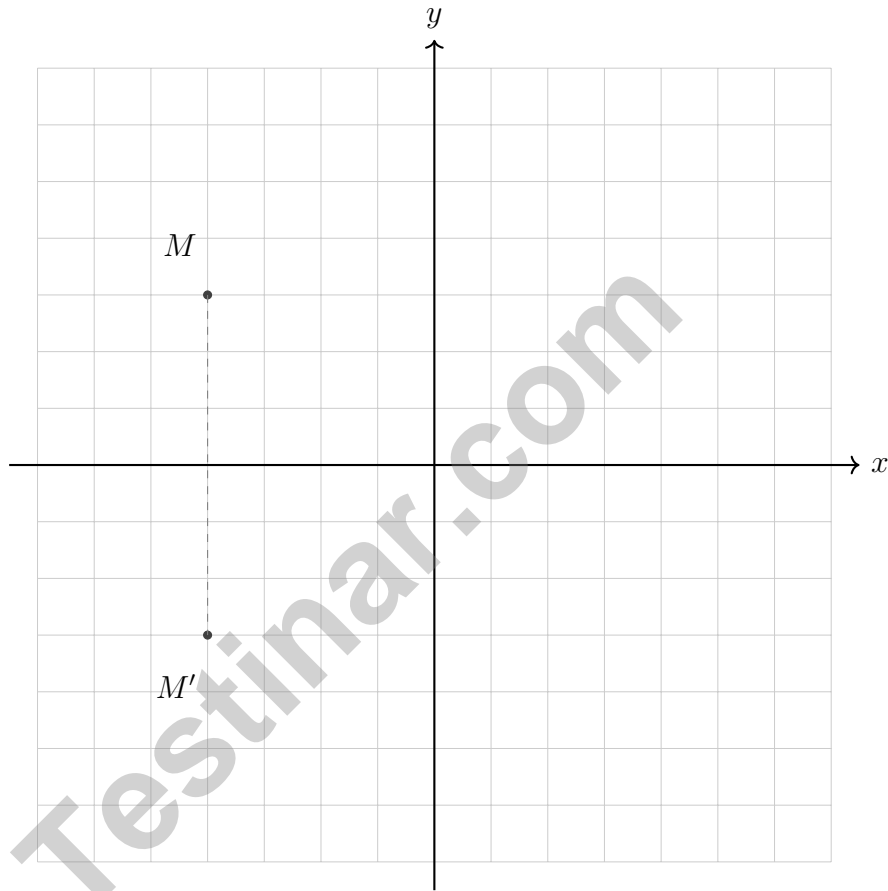


- 1) Which option correctly identifies all expressions shown that have a value of -9 ?
- A. $-3 + (-6)$ C. $5 + (-14)$
 B. $-12 + 3$ D. All of the above
- 2) A pencil is 0.15 meters long. A pen is 0.08 meters long. How much longer is the pencil?
- A. 0.07 meters C. 0.07 cm
 B. 0.23 meters D. 1.87 meters
- 3) Maria has 30 beads and 45 beads of two different colors. She wants to make identical bracelets with no beads left over. What is the greatest number of bracelets she can make?
- A. 15 bracelets C. 5 bracelets
 B. 10 bracelets D. 30 bracelets
- 4) Factor $14 + 21$ using the GCF.
- A. $2(7 + 10.5)$ C. $3(4.67 + 7)$
 B. $7(2 + 3)$ D. $21(1 + 0.67)$
- 5) If a diver is at -45 feet relative to sea level, what is $|-45|$?
- A. -45 feet C. 0 feet
 B. 90 feet D. 45 feet



6) Which number is located farthest from 0 on a number line?

- A. -4 C. 2.5
 B. -1.5 D. 3



7)

Points M and M' are shown above. Across which axis were these points reflected?

- A. Across the x -axis C. Across both axes
 B. Across the y -axis D. They are not reflections



Scan me!
For more practice
& answers

Florida FAST Practice Test Answer Keys**How to use this Florida FAST answer section with a Grade 6 student:**

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to sun-bright test stamina
3. rework the problem before reading the full explanation, using this reminder:
Stay bright and steady: read the whole question, model the math, and verify before choosing.

A calm Florida correction routine turns every missed item into useful practice. Practice, review, and return with one sharper habit for the next FAST-style round.



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Florida Practice Test Answers and Explanations

Review the four printed FAST tests with alert, steady, and ready to keep moving habits.

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** [MA.6.GR.1.2](#) Side length: 4 units. Perimeter: $4 \times 4 = 16$ units.
- 2) **Choice D is correct.** [MA.6.NSO.1.2](#) Distance from zero determines how close a number is. $|-1| = 1$, which is the smallest distance among the choices. Numbers closer to zero have smaller absolute values.
- 3) **Choice B is correct.** [MA.6.NSO.1.3](#) Absolute value is defined as the distance from zero, which is always non-negative (positive or zero).
- 4) **The correct answer is 52%.** [MA.6.AR.3.3](#) A 10×10 grid has 100 squares total. If 52 are shaded, the percent is $\frac{52}{100} = 52\%$.
- 5) **Choice B is correct.** [MA.6.NSO.1.2](#) Point F is at $2 + \frac{3}{8} = 2\frac{3}{8}$, which equals 2.375.
- 6) **Choice B is correct.** [MA.6.GR.1.1](#) By definition, Quadrant II (upper left) has all points where $x < 0$ and $y > 0$.
- 7) **Choice B is correct.** [MA.6.GR.2.1](#) Only option B gives $\frac{1}{2} \times 8 \times 12 = 48 \text{ cm}^2$. A gives 30 cm^2 , C gives 45 cm^2 , and D gives 40 cm^2 .
- 8) **The correct answer is 120.** [MA.6.AR.3.3](#) 25% of $480 = 0.25 \times 480 = 120$ products were sold online.
- 9) **Choice C is correct.** [MA.6.GR.2.3](#) $V = 3.5 \times 2.5 \times 4 = 8.75 \times 4 = 35 \text{ in}^3$.
- 10) **Choice D is correct.** [MA.6.GR.1.3](#) The quadrilateral has one pair of parallel sides (top and bottom are parallel). This makes it a trapezoid.
- 11) **Choice D is correct.** [MA.6.GR.1.3](#) Width: $7 - 1 = 6$ units. Height: $8 - 2 = 6$ units. Area = $6 \times 6 = 36$ square units.
- 12) **Choice C is correct.** [MA.6.GR.2.4](#) $SA = 2(5)(3) + 2(5)(2) + 2(3)(2) = 30 + 20 + 12 = 62 \text{ cm}^2$.
- 13) **Choice D is correct.** [MA.6.NSO.1.2](#) Bob has a score of -3 , which is the lowest of all scores: $-3 < -1 < 5 < 8$.
- 14) **Choice B is correct.** [MA.6.NSO.4.2](#), [MA.6.AR.2.3](#) Negative times negative is positive: $(-7) \times (-8) = 56$.
- 15) **The correct answer is 1.8.** [MA.6.AR.2.3](#) Divide: $180 \text{ cm} \div 100 \text{ cm/meter} = 1.8$ meters.
- 16) **Choice C is correct.** [MA.6.AR.2.3](#) $500 - 120 + 80 = 460$ items in inventory.
- 17) **Choice A is correct.** [MA.6.GR.2.2](#) Area of trapezoid = $\frac{1}{2}(8 + 12) \times 6 = \frac{1}{2}(20)(6) = 60 \text{ ft}^2$.
- 18) **The correct answer is The unit rate is 25 items per hour, and the y-value when $x = 1$ is 25.** [MA.6.GR.1.1](#) A is correct because $50 \div 2 = 25$ items per hour. D is correct because when $x = 1$, $y = 25$. Choice B is false for a proportional relationship; Choice C should be $y = 25x$, and Choice E is false.
- 19) **Choice A is correct.** [MA.6.DP.1.6](#) Set P's larger range (20 vs. 15) indicates that its data is more spread out across a wider interval.
- 20) **Choice A is correct.** [MA.6.AR.3.4](#) Option A has a constant m/y ratio: $0.9/1 = 1.8/2 = 2.7/3 = 0.9$. Option B does not: $0.8/1 = 0.8$, $1.7/2 = 0.85$, and $2.5/3 \approx 0.83$.
- 21) **Choice B is correct.** [MA.6.AR.3.2](#) Number of months: $\$600 \div \$40 \text{ per month} = 15$ months.
- 22) **Choice A is correct.** [MA.6.AR.3.5](#) Use the scale: $2 \text{ cm} \times 5 \text{ km/cm} = 10 \text{ km}$.
- 23) **Choice B is correct.** [MA.6.NSO.2.2](#) $\frac{1}{2} \div 8 = \frac{1}{2} \times \frac{1}{8} = \frac{1}{16}$ cup per serving.
- 24) **Choice A is correct.** [MA.6.NSO.2.1](#) $9,108 \div 52 = 175$ remainder 8. Check: $52 \times 175 = 9,100$, and $9,100 + 8 = 9,108$. So the whole-number quotient is 175.
- 25) **Choice A is correct.** [MA.6.NSO.2.1](#) Add: $\$5.25 + \$12.99 + \$8.50 = \26.74 . Align decimal points for money.
- 26) **Choice A is correct.** [MA.6.NSO.3.1](#) Multiples of 9: 9, 18, 27, 36, 45, ... Multiples of 12: 12, 24, 36, 48, ... The least common multiple is 36.
- 27) **Choice B is correct.** [MA.6.NSO.3.2](#) Each rectangle has height 5. The widths are 3 and 6. Total area = $5 \times 3 + 5 \times 6 = 5(3 + 6) = 45$.
- 28) **Choice A is correct.** [MA.6.AR.2.2](#) The distance between -8 and -3 is $|-3 - (-8)| = |5| = 5$ units.



Notes From Your Math Builder

Hi, Math Builder!

◇ Through 4 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

Jay Daie

Your Math Builder

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 4 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

Each practice test is carefully crafted to reflect the latest standards and includes a variety of question types, realistic test conditions, and detailed answer explanations.

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

THIS BOOK INCLUDES:

4 Full-Length Printed Tests

2 Online Practice Tests

 Detailed Answer Explanations

 **MORE PRACTICE.
GREATER RESULTS.**

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

WHAT YOU'LL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deeper Understanding

Reinforce key concepts with clear explanations and meaningful practice.



Test Confidence

Familiarize with test formats and improve accuracy and speed.



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

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



VISIT [TESTINAR.COM/MATH6](https://www.testinar.com/math6)
FOR MORE PRACTICE TESTS
AND LEARNING RESOURCES



PRACTICE
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