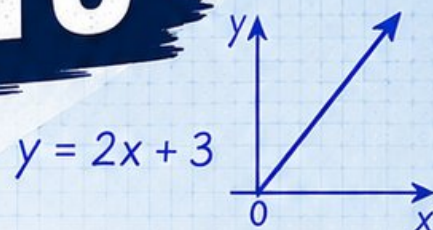


3 Florida FAST

GRADE
6
MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs



$$\frac{3}{5} + \frac{2}{10} = \frac{8}{10} = \frac{4}{5}$$

$36\% \text{ of } 150 = ?$



3 | PRINTED
TESTS



2 | ONLINE
TESTS



Build
Confidence



Master Key
Math Skills



Answer Explanations
for Every Question



Test-Taking
Strategies That Work

3 Florida FAST Grade 6 Math Practice Tests

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

$436 + 289$ $A = 24$

1 2 3

3×10 3 $\frac{3}{4}$

complete Florida practice rounds

Three 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.

Jay Daie and Reza Nazari



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Welcome, Florida Math Explorer!

Three focused rounds using sun-bright test stamina

This book gives you three 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 three-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?

Three FAST tests, 120 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Test 3	Final stamina round for expressions, equations, geometry, data, problem models, and mixed review.
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

Table of Contents

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6) If 42 out of 150 people choose option A, what is the closest percent?

A. 28%

C. 35%

B. 30%

D. 42%

7) In a student club, the ratio of 6th graders to 7th graders is 4 : 6. If there are 12 sixth graders, how many seventh graders are in the club?

8) A machine produces 420 items in 7 hours. At this rate, how many items will the machine produce in 12 hours?

9) A bakery sells 6 muffins for \$9. What is the unit price per muffin in dollars?

10) A bike's price decreases from \$250 to \$200. What is the percent decrease?

A. 15%

C. 25%

B. 50%

D. 20%



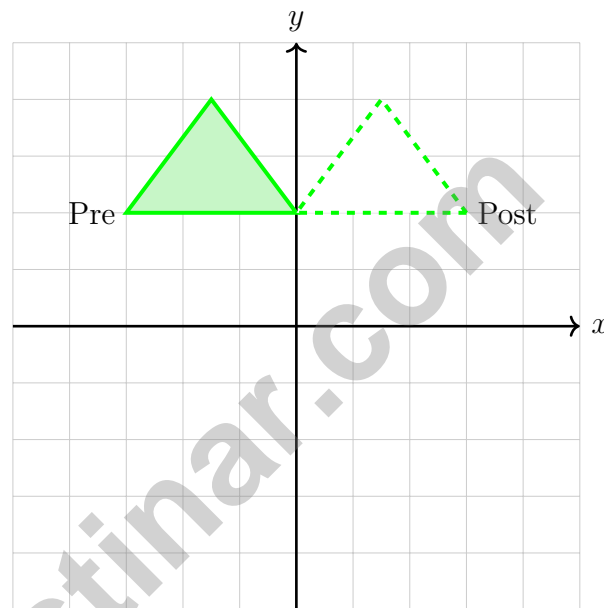
1) A sports team won 15 games and lost 5 games. What is the ratio of wins to total games played?

A. 3 : 1

C. 15 : 20

B. 3 : 4

D. 20 : 15



2)

The solid triangle is reflected over the y -axis to create the dashed triangle. If a vertex of the original triangle is at $(-3, 2)$, what is the corresponding vertex of the image?

A. $(3, 2)$

C. $(3, -2)$

B. $(-3, -2)$

D. $(-3, 2)$



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3) A circular clock face has a diameter of 10 inches. Using $\pi \approx 3.14$, what is the approximate area of the clock face?

A. 31.4 in^2

C. 78.5 in^2

B. 62.8 in^2

D. 314 in^2

4) A community center asks: “How many times per month do people use the fitness equipment?”

Which describes the relationship between the population and a sample in this scenario?

 A. The population is all people in the community; the sample is the people surveyed. C. There is no sample in a statistical question. B. The population is all people surveyed; the sample is all people in the community. D. The population and sample are the same thing.

5) A rectangular prism has volume 120 cubic feet. Its length is 8 ft and its width is 5 ft. What is the height in feet?

6) The data set is: 5, 7, 8, 9, 10, 11, 12, 50. Which value is an outlier?

A. 5

C. 50

B. 12

D. 11



1) Compute: $\frac{-45}{5}$

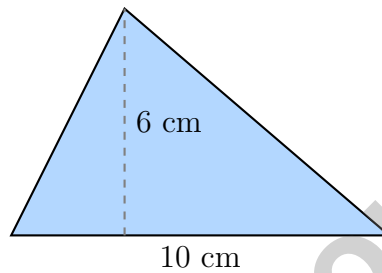
A. 9

C. 40

B. -40

D. -9

2) What is the area of a triangle with base 10 cm and height 6 cm?



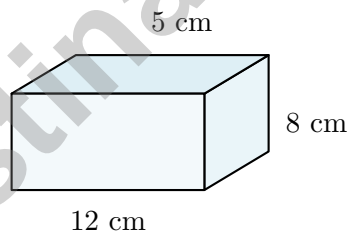
A. 16 cm²

C. 60 cm²

B. 30 cm²

D. 120 cm²

3)



A gift box is 12 cm long, 8 cm wide, and 5 cm high. How many cubic centimeters is its volume?

A. 25 cm³

C. 240 cm³

B. 120 cm³

D. 480 cm³



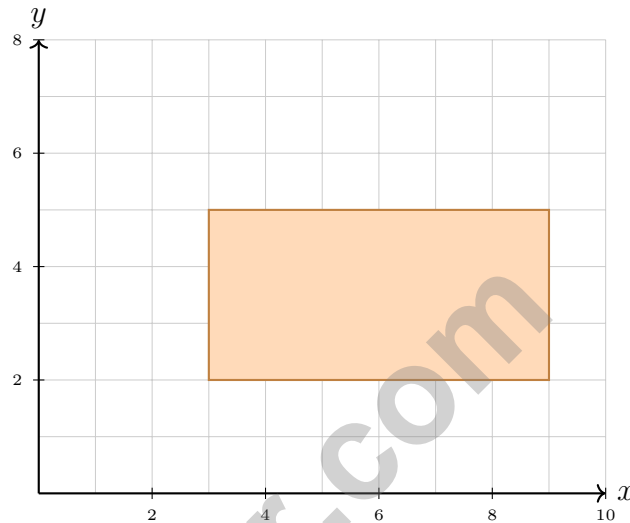
4) A triangle has vertices at $(2, 1)$, $(8, 1)$, and $(5, 5)$. What is the length of the base?

A. 4 units

B. 6 units

C. 8 units

D. 10 units



5)

A floor plan section is rectangular with corners at $(3, 2)$, $(9, 2)$, $(9, 5)$, and $(3, 5)$. What is its area?

A. 15 square units

B. 24 square units

C. 21 square units

D. 18 square units

6) Find $|-18|$.



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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.



Florida Practice Test Answers and Explanations

Review the three 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.NSO.1.2** $-6 < -5$ because -6 is further left on the number line.
- 2) Choice C is correct. **MA.6.AR.2.3** Gain plus loss: $8 + (-3) = 5$ dollars gained overall.
- 3) Choice B is correct. **MA.6.GR.2.2** Using $140 = 20 \times h$, we get $h = 7$ cm.
- 4) Choice C is correct. **MA.6.DP.1.6** Range = $\$45 - \$5 = \$40$.
- 5) Choice A is correct. **MA.6.GR.1.1** The correct x -coordinate is 4, but the student read 2, which is half of 4. This is a common error when reading values from a coordinate plane, especially with scaled axes.
- 6) Choice A is correct. **MA.6.AR.3.3** $\frac{42}{150} = 42 \div 150 = 0.28 = 28\%$.
- 7) The correct answer is 18. **MA.6.AR.1.1** The ratio of sixth graders to seventh graders is $4 : 6$, which simplifies to $2 : 3$. If 2 parts are 12 students, each part is 6, so seventh graders are $3 \times 6 = 18$.
- 8) The correct answer is 720 items. **MA.6.AR.3.2** First, find the unit rate: $420 \div 7 = 60$ items per hour. Then multiply by 12 hours: $60 \times 12 = 720$ items.
- 9) The correct answer is \$1.50. **MA.6.AR.3.5** $\$9 \div 6 = \1.50 per muffin. Accept 1.5 as equivalent.
- 10) Choice D is correct. **MA.6.AR.3.3** Decrease is $\$250 - \$200 = \$50$. Percent decrease is $\frac{50}{250} = 0.20 = 20\%$.
- 11) Choice D is correct. **MA.6.AR.3.2** The unit rate is $30 \div 5 = 6$ pages per minute. In 12 minutes the printer prints $6 \times 12 = 72$ pages.
- 12) Choice A is correct. **MA.6.AR.2.3** Use $1 \text{ m} = 100 \text{ cm}$ and $1 \text{ m} = 1,000 \text{ mm}$. So $3 \times 100 = 300 \text{ cm}$ and $3 \times 1,000 = 3,000 \text{ mm}$.
- 13) Choice B is correct. **MA.6.NSO.4.2** Total expenses: $\$45 + \$30 + \$20 = \95 . Remaining: $\$120 - \$95 = \$25$.
- 14) Choice A is correct. **MA.6.AR.3.4** The ratio of distance to time is $100/2 = 50$ and $200/4 = 50$ mph, confirming constant speed. The proportional equation is $d = 50t$, not $d = 100t$.
- 15) Choice B is correct. **MA.6.AR.3.2** Discretionary: $100\% - 60\% - 25\% = 15\%$.
- 16) Choice A is correct. **MA.6.AR.3.5** Multiply: $3.5 \times 15 = 52.5$ miles.
- 17) Choice B is correct. **MA.6.NSO.2.2** $\frac{6}{7} \times \frac{3}{2} = \frac{18}{14} = \frac{9}{7}$.
- 18) Choice A is correct. **MA.6.NSO.2.1** $7,600 \div 25 = 304$. Verify: $25 \times 304 = 7,600$.
- 19) The correct answer is Girls to boys is $10 : 15 = 2 : 3$ (Choice A is correct). Boys to total is $15 : 25 = 3 : 5$ (Choice B is correct). **MA.6.AR.3.4** Choice A is correct because girls to boys is $10 : 15$, which simplifies to $2 : 3$. Choice B is correct because boys to total is $15 : 25$, which simplifies to $3 : 5$. The other choices either flip the order, swap which group is named first, or use the wrong total (10 girls out of 25 students is $2 : 5$, not $1 : 3$).
- 20) Choice B is correct. **MA.6.NSO.2.1** Work left to right: $8.9 - 3.4 = 5.5$, then $5.5 - 1.2 = 4.3$.
- 21) Choice B is correct. **MA.6.NSO.3.1** $100 = 4 \times 25 = (2 \times 2) \times (5 \times 5) = 2^2 \times 5^2$. Options A, C, and D use composite numbers.
- 22) Choice A is correct. **MA.6.NSO.3.2** GCF of 30 and 24 is $2 \times 3 = 6$. So $30 + 24 = 6(5 + 4)$.
- 23) Choice D is correct. **MA.6.NSO.1.2** The integers -7 and 7 satisfy all three conditions: they are each 7 units from zero, they are opposites, and they are on opposite sides of zero.
- 24) Choice A is correct. **MA.6.NSO.1.3** Computing: $|-2| = 2$, $|-5| = 5$, $|6| = 6$, $|-9| = 9$. In order: $2 < 5 < 6 < 9$.
- 25) Choice B is correct. **MA.6.NSO.1.2** The point 2.6 is six tenths of the way from 2 to 3, making it exactly the position given.
- 26) Choice D is correct. **MA.6.GR.1.1** Start with $(-7, 5)$. Reflect across the y -axis: $(7, 5)$. Reflect across the x -axis: $(7, -5)$, which is in Quadrant IV.
- 27) Choice C is correct. **MA.6.GR.1.2** Distance on map: $|6 - 1| = 5$ units. Actual distance: $5 \times 200 = 1000$ meters.
- 28) Choice B is correct. **MA.6.AR.2.2** Start at 5 on a number line and move 8 units left. The result is $5 + (-8) = -3$.
- 29) Choice B is correct. **MA.6.NSO.4.2, MA.6.AR.2.3** Positive divided by negative is negative: $\frac{30}{-5} = -6$.



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Hi, Math Athlete!

◇ 3 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

Trainer tip: on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

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

Jay Daie

Your Math Trainer

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 3 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

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- ✓ Data Analysis
- ✓ Measurement & Conversions
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