

9

Florida FAST

GRADE

6

MATH

PRACTICE TESTS

Standards-Aligned Review
Mixed Practice & Answer Key



9 PRINTED TESTS

Realistic practice to build confidence and mastery



DETAILED ANSWER EXPLANATIONS

Learn with step-by-step solutions



FOCUSED & EFFECTIVE

Target key math skills with purposeful practice



BUILD CONFIDENCE

Strengthen problem solving and test-taking skills



9 PRINTED TESTS
+2 ONLINE TESTS

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

PRACTICE TODAY.
SUCCEED TOMORROW.



PRACTICE



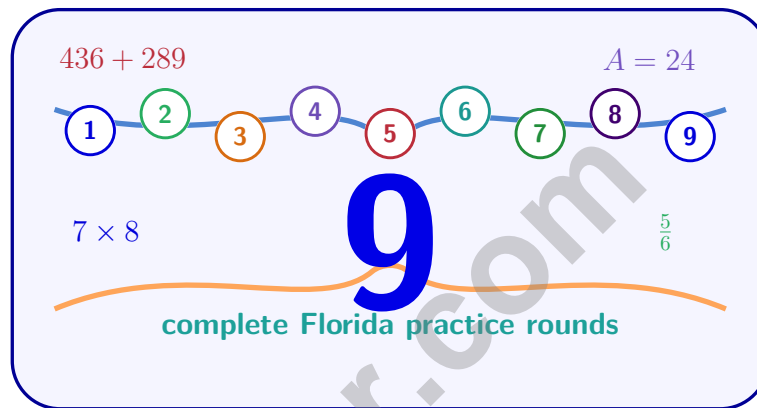
REVIEW



SUCCEED

9 Florida FAST Grade 6 Math Practice Tests

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



Nine 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



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome, Florida Math Explorer!

Nine focused rounds using sun-bright test stamina

This book gives you nine 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 nine-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?

Nine FAST tests, 360 questions, and a full review path

Part	What You Will Practice
Tests 1–3	Foundation 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	Final stamina rounds for mixed review, neat work, and flexible strategy choices.
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

★ Practice Test 1	_____	13
★ Practice Test 2	_____	27
★ Practice Test 3	_____	43
★ Practice Test 4	_____	59
★ Practice Test 5	_____	74
★ Practice Test 6	_____	90
★ Practice Test 7	_____	105
★ Practice Test 8	_____	120
★ Practice Test 9	_____	137
Practice Test Answer Keys	_____	151
Practice Test Answers and Explanations	_____	157

1) The speed limit on the highway is no more than 65 miles per hour. Which inequality represents the allowed speed s ?

- A. $s > 65$ C. $s \geq 65$
 B. $s \leq 65$ D. $s = 65$

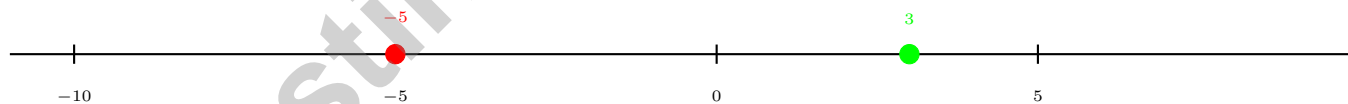
2) Keisha wants to save \$240 over 4 months. How much must she save per month?

- A. \$40 C. \$80
 B. \$60 D. \$120

3) A soccer coach is buying uniforms. She buys 12 red shirts and 18 blue shirts for the team. If she wants to divide them equally into piles with no shirts left over, what is the greatest number of piles she can make?

- A. 2 C. 6
 B. 3 D. 9

4)



Which number has a greater absolute value, -5 or 3 ?

- A. -5 because it is negative C. -5 because $|-5| = 5$ and $5 > 3$
 B. 3 because it is smaller D. They are equal



Scan me!
For more practice
& answers

5) Which pair of numbers are NOT equivalent on the number line?

A. $-\frac{1}{2}$ and -0.5

C. $-\frac{1}{4}$ and -0.4

B. $\frac{3}{4}$ and 0.75

D. -2 and $-\frac{6}{3}$

6) A student uses the fact that $5,200 \div 13 = 400$ to help solve $5,213 \div 13$. What is the relationship between these two quotients?

A. $5,213 \div 13 = 401$ (quotient increases by 1)

C. $5,213 \div 13 = 401$ exactly

B. $5,213 \div 13 = 400$ remainder 13

D. $5,213 \div 13 = 400$ remainder 1

7) A proportional relationship is shown on a graph. Two points on the line are $(3, 21)$ and $(7, 49)$. Find the constant of proportionality (the unit rate).



8) Find: $9.6 - 2.7 + 1.1$

A. 8.0

C. 5.8

B. 7.9

D. 13.4

9) What is the GCF of 22 and 33?

A. 2

C. 11

B. 3

D. 22



10) On a number line, the number -6 is best described as:

- A. Six units to the right of zero C. At the origin
 B. Six units above zero on a vertical line D. Six units to the left of zero

11) Which point is NOT on an axis?

- A. $(0, 5)$ C. $(0, 0)$
 B. $(-3, 0)$ D. $(2, -4)$

12)

Location	Elevation (m)
Valley	-50
Beach	0
Mountain	800
Canyon	-120

Which location is lowest?

- A. Valley C. Mountain
 B. Beach D. Canyon
- 13) A factory loses \$2000 per quarter due to equipment issues. After 4 quarters, what is the total financial impact?
- A. $-\$500$ C. $-\$8000$
 B. $-\$2000$ D. $\$8000$



Scan me!
For more practice
& answers

1) If $IQR = 24$ and $Q_3 = 56$, what is Q_1 ?

A. 20

C. 56

B. 80

D. 32

2) At the end of a game, a player had a score of -15 points. They earned 25 points on their next turn. What is their new score?

A. -40 points

C. 10 points

B. -10 points

D. 40 points

Step 1: $2^3 = 8$

Step 2: $8 \times 5 = 40$

Step 3: $50 - 40 = 10$

3)

Evaluate: $50 - 2^3 \times 5$

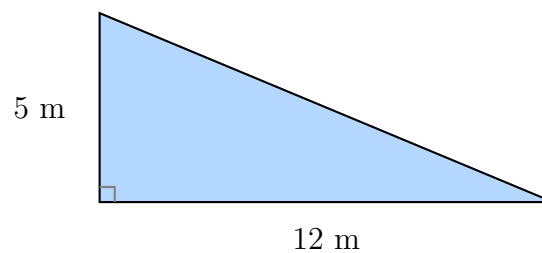
A. 10

C. 30

B. 20

D. 40

4) A right triangle has legs of length 5 m and 12 m. What is its area?



A. 17 m^2

C. 60 m^2

B. 30 m^2

D. 120 m^2



Scan me!
For more practice
& answers

5) A recipe uses 8 cups of sugar to make 32 servings. How much sugar per serving?

6) A gardener is arranging plants. They have 35 tomato plants and 49 pepper plants. They want to arrange them in rows with the same number of each type of plant per row, using all plants. How many rows can they make?

A. 5 rows

C. 35 rows

B. 49 rows

D. 7 rows

7) A recipe scales proportionally. The table shows ingredients for one batch. How much flour is needed for 4 batches?

Flour (cups)	Batches
2.5	1
?	4



1) Which net is NOT a valid net for a rectangular prism?

- A. Cross with 1×4 center and two squares on opposite sides
- B. Two 2×3 rectangles stacked vertically
- C. Line of 6 squares
- D. T-shape with 3×2 base and three rectangles attached

2) A school cafeteria serves 400 lunches. The circle graph shows $\frac{3}{8}$ are vegetarian. How many lunches are vegetarian?

- A. 120
- B. 100
- C. 150
- D. 175

3) Find the Mean Absolute Deviation for: 2, 4, 6, 8.

- A. 1
- B. 2
- C. 3
- D. 4

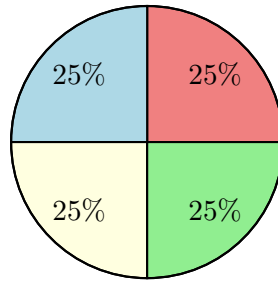
4) A frequency table is created from survey data on movie preferences. The table shows: Action: 12; Comedy: 18; Drama: 9; Horror: 6. If this data is represented in a bar graph, which category has the highest bar?

Genre	Frequency
Action	12
Comedy	18
Drama	9
Horror	6

- A. Action
- B. Comedy
- C. Drama
- D. Horror



Scan me!
For more practice
& answers



5)

A circle graph is divided into four equal sections. If the whole circle represents 200 students, how many students does each section represent?

- A. 25 students C. 75 students
 B. 40 students D. 50 students

6) A teacher distributes 4 times as many pencils to a class as erasers. If there are e erasers, which expression shows the number of pencils?

- A. $4 + e$ C. $e + 4$
 B. $e - 4$ D. $4e$

7) A dataset has $\min = 3$, $Q_1 = 7$, $\text{median} = 11$, $Q_3 = 15$, $\max = 22$. What is the range?

8) Solve for x : $5x = 40$

- A. $x = 8$ C. $x = 45$
 B. $x = 35$ D. $x = 200$



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.



Scan me!
For more practice
& answers

Florida Practice Test Answers and Explanations

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

Practice Test 1 Answers and Explanations

- 1) **Choice B is correct.** **MA.6.AR.2.3** “No more than” means at most 65, which allows 65 and anything less: $s \leq 65$.
- 2) **Choice B is correct.** **MA.6.AR.3.2** Monthly savings: $\$240 \div 4 = \60 .
- 3) **Choice C is correct.** **MA.6.NSO.3.2** Find GCF(12, 18). Factors of 12: 1, 2, 3, 4, 6, 12. Factors of 18: 1, 2, 3, 6, 9, 18. GCF is 6. She can make 6 piles with 2 red shirts and 3 blue shirts each.
- 4) **Choice C is correct.** **MA.6.NSO.1.3** Compare absolute values: $|-5| = 5$ and $|3| = 3$. Since $5 > 3$, the number -5 has the greater absolute value.
- 5) **Choice C is correct.** **MA.6.NSO.1.2** $-\frac{1}{4} = -0.25$, not -0.4 . The other pairs are equivalent.
- 6) **Choice A is correct.** **MA.6.NSO.2.1** Since $5,200 \div 13 = 400$, adding 13 to the dividend gives $5,213 \div 13 = 401$ exactly.
- 7) **The correct answer is 7.** **MA.6.GR.1.1** The constant of proportionality is $k = \frac{y}{x} = \frac{21}{3} = 7$ or $\frac{49}{7} = 7$. The unit rate is 7.
- 8) **Choice A is correct.** **MA.6.NSO.2.1** Work left to right: $9.6 - 2.7 = 6.9$, then $6.9 + 1.1 = 8.0$.
- 9) **Choice C is correct.** **MA.6.NSO.3.1** Factors of 22: 1, 2, 11, 22. Factors of 33: 1, 3, 11, 33. Common factors: 1, 11. GCF is 11.
- 10) **Choice D is correct.** **MA.6.NSO.1.2** Negative numbers are located to the left of zero on a number line. The number -6 is 6 units to the left of zero.
- 11) **Choice D is correct.** **MA.6.GR.1.1** Points on an axis must have at least one coordinate equal to zero. The point $(2, -4)$ has both non-zero coordinates, so it is not on an axis.
- 12) **Choice D is correct.** **MA.6.NSO.1.2** The lowest elevation is the most negative: $-120 < -50 < 0 < 800$. Canyon at -120 m is lowest.
- 13) **Choice C is correct.** **MA.6.NSO.4.2, MA.6.AR.2.3** A loss of \$2000 per quarter for 4 quarters: $(-2000) \times 4 = -8000$.
- 14) **Choice B is correct.** **MA.6.AR.1.4** Combine like terms: $(7 - 3 + 5)m = 9m$.
- 15) **The correct answer is 9.** **MA.6.AR.3.2** Ratio 5 : 3 with 15 red marbles: each part is $15 \div 5 = 3$ marbles. Blue marbles: $3 \times 3 = 9$.
- 16) **Choice B is correct.** **MA.6.AR.3.2** Radius $r = \frac{12}{2} = 6$ in. Area = $\pi r^2 \approx 3.14 \times 6^2 = 3.14 \times 36 = 113.04$ in².
- 17) **Choice D is correct.** **MA.6.DP.1.1** The key reason it is statistical is the expected variability (different speeds) and the need to collect data from multiple runners. Using the word “typical” or the context alone does not define a statistical question.
- 18) **Choice D is correct.** **MA.6.DP.1.2** Range 2 has the tallest bar with frequency 5.
- 19) **The correct answer is A and C are correct.** **MA.6.AR.3.5** A: $6 \times 3 = 18$ feet (correct). B: $4 \times 3 = 12$ feet, not 10 (incorrect). C: $21 \div 3 = 7$ inches (correct). D: $9 \div 3 = 3$ inches, not 2 (incorrect). E: $5 \times 3 = 15$ feet, not 16 (incorrect).
- 20) **Choice D is correct.** **MA.6.DP.1.6** Median is 62 (middle of 7 values). Lower half: 56, 58, 60. Q1 is the median of the lower half, which is 58.
- 21) **Choice D is correct.** **MA.6.NSO.3.5** $P(\text{blue or red}) = \frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$.
- 22) **Choice A is correct.** **MA.6.AR.1.3** First, evaluate the exponent: $7^2 = 49$. Then subtract: $49 - 13 = 36$.
- 23) **Choice D is correct.** **MA.6.AR.1.1** “Half of a number q ” is $\frac{q}{2}$. “The sum of $\frac{q}{2}$ and 3” is $\frac{q}{2} + 3$.
- 24) **Choice A is correct.** **MA.6.AR.1.3** Substitute $m = 2$: $5(2) - 7 = 10 - 7 = 3$.
- 25) **Choice A is correct.** **MA.6.AR.2.2** If $x = 8$, then closet paint = $x - 3 = 8 - 3 = 5$ gallons.
- 26) **Choice C is correct.** **MA.6.AR.2.2** Multiply both sides by 7: $x = 4 \times 7 = 28$.
- 27) **Choice B is correct.** **MA.6.GR.2.1** $90 = \frac{1}{2} \times 15 \times h \Rightarrow h = 12$ in.
- 28) **Choice D is correct.** **MA.6.GR.1.3** Length = 5 units; width = 3 units. Area = $5 \times 3 = 15$ square units.



Scan me!
For more practice
& answers

Hi, Math Champion!

◇ You trained hard! 9 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.

This **Grade 6 Math Practice Tests** book is designed to help students strengthen their math skills, master important concepts, and build the confidence they need to excel on any test.

With 9 full-length printed tests and 2 online tests, students get the review, practice, and realistic test experience they need to improve accuracy, develop 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



**PRACTICE TODAY.
SUCCEED 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.



Deeper 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.



9 PRINTED
PRACTICE TESTS



2 ONLINE
PRACTICE TESTS



DETAILED ANSWER
EXPLANATIONS