6 Florida FAST PRACTICE TESTS

GRADE 6 MATH

Standards-Aligned Steady Southern Problem Solving for Comprehensive Assessment Program

BUILD SKILLS. GAIN CONFIDENCE. SUCCEED!

6 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

6 PRINTED TESTS +2 ONLINE TESTS
Use these two additional online practice tests for extra review after the printed tests in this book.

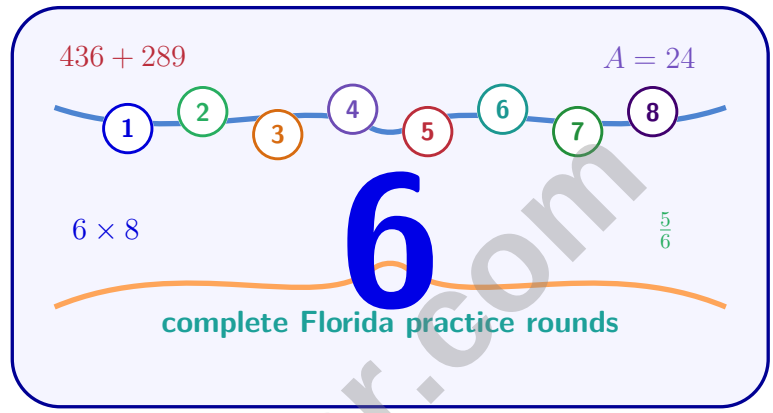
PRACTICE
Sharpen skills with targeted practice tests

REVIEW
Understand concepts and strengthen skills

SUCCEED
Build confidence and achieve your best

6 Florida FAST Grade 6 Math Practice Tests

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



Six 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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Jay Daie and Reza Nazari

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Welcome, Florida Math Explorer!

Eight focused rounds using sun-bright test stamina

This book gives you six 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.

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Read Plan Check

How to Use This Book

A six-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.

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What Is Inside?

Eight FAST tests, 320 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 3–5	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 6	Final stamina round 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.

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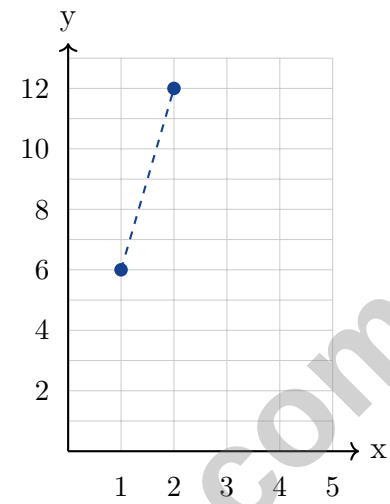
1) A graph shows a proportional relationship with the line $y = 6x$. Which of the following points lies on this line?



☐ A. $(1, 6)$
☐ B. $(2, 8)$
☐ C. $(3, 12)$
☐ D. $(4, 18)$

2) A recipe uses a scale where 1 inch on a diagram represents 2 inches of actual ingredient. If the actual length of an ingredient is 18 inches, what length is shown in the diagram?

☐ A. 6 inches
☐ B. 9 inches
☐ C. 18 inches
☐ D. 36 inches

3) What is the GCF of 15 and 35?

☐ A. 3
☐ B. 5
☐ C. 7
☐ D. 15

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4) Expand $6(2+9)$.

☐ A. $12+54$
☐ B. $12+9$
☐ C. $6+18$
☐ D. 66

5) What is the opposite of -15?

☐ A. 15
☐ B. -15
☐ C. 0
☐ D. $\frac{1}{15}$

6) Which fraction is equivalent to -0.5 on a number line?

☐ A. $-\frac{1}{4}$
☐ B. $-\frac{3}{4}$
☐ C. $-\frac{2}{3}$
☐ D. $-\frac{1}{2}$

7) What is the expanded form of 2^3?

☐ A. $2+2+2$
☐ B. 2×3
☐ C. $2\times 2\times 2$
☐ D. 3×3

8) Which expression correctly translates "5 more than the quotient of a number y and 4"?

☐ A. $5+\dfrac{y+4}{y}$
☐ B. $\dfrac{y+5}{4}$
☐ C. $\dfrac{y}{4}+5$
☐ D. $4+y-5$

9) Evaluate $3(x-2)+4$ when $x=\frac{2}{3}$.

☐ A. 0
☐ B. 2
☐ C. 4
☐ D. 6

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10) After distributing $5(x+6)$, what is the constant term?

11) A number n is decreased by 12 and then the result is doubled. Which expression shows the final result?

- ☐ A. $2n - 12$
- ☐ B. $2n(12)$
- ☐ C. $n - 2(12)$
- ☐ D. $2(n - 12)$

12) Which equation has a solution of $x = 10$?

- ☐ A. $x + 5 = 14$
- ☐ B. $3x = 30$
- ☐ C. $x - 4 = 5$
- ☐ D. $x + 2 = 11$

13) An elevator has a weight limit of no more than 5,000 pounds. Which inequality represents the safe weight w?

- ☐ A. $w \geq 5{,}000$
- ☐ B. $w > 5{,}000$
- ☐ C. $w \leq 5{,}000$
- ☐ D. $w < 5{,}000$

14) A recipe calls for at least 2 cups of flour. Which inequality represents this?

- ☐ A. $f > 2$
- ☐ B. $f < 2$
- ☐ C. $f \geq 2$
- ☐ D. $f \leq 2$

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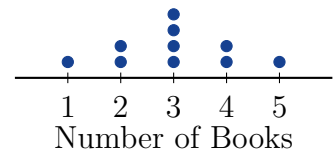
1) The dot plot shows the number of books read by students last month. How many students read exactly 3 books?



☐ A. 2
☐ B. 3
☐ C. 4
☐ D. 5

2) Find the median of $2, 5, 8, 11, 14, 17$.

☐ A. 9.5
☐ B. 8
☐ C. 11
☐ D. 10

3) A box plot shows min $= 20$, $Q_1 = 30$, median $= 40$, $Q_3 = 50$, max $= 70$. How much longer is the upper whisker than the lower whisker?

☐ A. 10
☐ B. 20
☐ C. 30
☐ D. 50

4) Raw data for number of books read by 8 students: $12, 18, 15, 12, 20, 15, 14, 19$. If you were to create a stem-and-leaf plot, how many leaves would be in stem 1?

☐ A. 5
☐ B. 6
☐ C. 7
☐ D. 8

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5) An error in a graph is noticed: the vertical axis starts at 50 instead of 0, and the bars for three products show heights of 52, 54, and 56.
How might this mislead readers?

☐ A. The data appears to be about sports, not products
☐ B. The graph is too small to read
☐ C. The actual differences (2 and 2 units) appear much larger than they are
☐ D. Readers cannot understand percentages

6) A graph shows earnings from mowing lawns. The relationship is linear, and the point $(3, 45)$ is on the line. If the origin $(0, 0)$ is also on the line, what is the constant rate of pay per lawn?

☐ A. \$12 per lawn
☐ B. \$15 per lawn
☐ C. \$20 per lawn
☐ D. \$45 per lawn

7) Store X sells 3 items for \$15. Store Y sells 5 items for \$20. Which store has the lower unit price?

☐ A. Store X
☐ B. Store Y
☐ C. They are the same
☐ D. Cannot be determined

8) A shipping company receives 8,925 packages to distribute to 35 regional centers. How many packages per center, and how many are left over?

☐ A. 255 packages per center, 0 left over
☐ B. 255 packages per center, 10 left over
☐ C. 254 packages per center, 35 left over
☐ D. 250 packages per center, 75 left over

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1) An online grocery store sells canned beans. 9 cans cost \$5.40. What is the unit price per can?

☐ A. \$0.50 per can
☐ B. \$0.60 per can
☐ C. \$0.70 per can
☐ D. \$1.00 per can

2) A fruit vendor sells bananas at a constant price. This table shows the relationship:

Pounds of Bananas	Total Cost (\$)
2	1.50
4	3.00
6	4.50

Which equation represents the relationship between pounds (p) and cost (c)?

☐ A. $c = 0.5p$
☐ B. $c = 0.75p$
☐ C. $c = 1.5p$
☐ D. $c = 3p$

3) If $\frac{3}{4}$ pound of coffee costs \$12, what is the cost per pound?

☐ A. \$9
☐ B. \$12
☐ C. \$16
☐ D. \$18

4) A table of ordered pairs is given. Is the relationship proportional?

x	3	6	9
y	12	24	36

☐ A. No; the y-values are larger
☐ B. Yes; the numbers follow a pattern
☐ C. No; x starts at 3, not 0
☐ D. Yes; the ratio $y/x = 4$ is constant

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5) A grocery store needs to pack 9,504 cans into cases of 32 cans each. How many complete cases can be filled, and how many cans will be in the incomplete case?

- ☐ A. 297 complete cases, 0 cans in the incomplete case
- ☐ B. 296 complete cases, 32 cans in the incomplete case
- ☐ C. 298 complete cases, 16 cans in the incomplete case
- ☐ D. 297 complete cases, 10 cans in the incomplete case

6) Marcus has \$5 and Jessica has a debt of \$3 (written as -3). Who has more money?

- ☐ A. Marcus
- ☐ B. Jessica
- ☐ C. They have the same
- ☐ D. Cannot determine

7) The MAD of Set X is 3.5 and the MAD of Set Y is 1.8. Which set has greater spread?

- ☐ A. Set X has greater spread.
- ☐ B. Set Y has greater spread.
- ☐ C. Both have the same spread.
- ☐ D. Cannot be determined from MAD alone.

8) A soccer field has goal markers and corner flags arranged in a pattern. There are 9 goal markers and 3 corner flags. Which statement is NOT correct?

- ☐ A. The ratio of markers to flags is 9 : 3.
- ☐ B. The simplified ratio is 3 : 1.
- ☐ C. For every 3 markers there is 1 flag.
- ☐ D. For every 1 marker there are 3 flags.

9) A water fountain fills 54 cups in 9 minutes. What is the rate in cups per minute?

- ☐ A. 5 cups per minute
- ☐ B. 63 cups per minute
- ☐ C. 45 cups per minute
- ☐ D. 6 cups per minute

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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.

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Florida Practice Test Answers and Explanations

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

Practice Test 1 Answers and Explanations

1) **Choice A is correct.** MA.6.GR.1.1 For the equation $y = 6x$: when $x = 1$, $y = 6(1) = 6$, so $(1, 6)$ is on the line. Check other options: $(2, 8)$ gives $8 \neq 12$; $(3, 12)$ gives $12 \neq 18$; $(4, 18)$ gives $18 \neq 24$. Only A satisfies the equation.

2) **Choice B is correct.** MA.6.AR.3.5 To find the diagram length, divide the actual length by the scale factor: $18 \div 2 = 9$ inches.

3) **Choice B is correct.** MA.6.NSO.3.1 Factors of 15: $1, 3, 5, 15$. Factors of 35: $1, 5, 7, 35$. Common factors: $1, 5$. GCF is 5. Distractors: 3 divides 15 only; 7 divides 35 only; 15 is the largest number but not the GCF.

4) **Choice A is correct.** MA.6.NSO.3.2 Distributive property: $6(2 + 9) = 6 \cdot 2 + 6 \cdot 9 = 12 + 54 = 66$. Choice A shows the expanded form before simplifying.

5) **Choice A is correct.** MA.6.NSO.1.3 The opposite of a negative number is its positive version. The opposite of -15 is 15.

6) **Choice D is correct.** MA.6.NSO.1.2 The decimal -0.5 equals one-half of -1, which is $-\frac{1}{2}$.

7) **Choice C is correct.** MA.6.AR.1.3 In exponential form, 2^3 means 2 is multiplied by itself 3 times, so the expanded form is $2 \times 2 \times 2$.

8) **Choice C is correct.** MA.6.AR.1.1 "The quotient of y and 4" is $\frac{y}{4}$. "5 more than" that quotient means add 5: $\frac{y}{4} + 5$.

9) **Choice A is correct.** MA.6.AR.1.3 Substitute $x = \frac{2}{3}$: $3(\frac{2}{3} - 2) + 4 = 3(-\frac{4}{3}) + 4 = -4 + 4 = 0$.

10) **The correct answer is** 30. MA.6.AR.1.4 $5(x + 6) = 5x + 30$, so the constant term is 30.

11) **Choice D is correct.** MA.6.AR.2.2 First subtract 12 from n to get $n - 12$. Then double: $2(n - 12)$. Note: $2n - 12$ only doubles the number n, not the result of the subtraction.

12) **Choice B is correct.** MA.6.AR.2.2 Check each: A gives $x = 9$; B gives $x = 10$ ✓; C gives $x = 9$; D gives $x = 9$. B is correct.

13) **Choice C is correct.** MA.6.AR.2.3 "No more than" means the weight limit is at most 5,000 pounds: $w \leq 5{,}000$.

14) **Choice C is correct.** MA.6.NSO.1.3 "At least" means "greater than or equal to," so we use $f \geq 2$.

15) **Choice D is correct.** MA.6.GR.2.3 $V = 10 \times 7 \times 2 = 70 \times 2 = 140$ in^3.

16) **Choice A is correct.** MA.6.GR.1.3 Area $= \frac{1}{2} \times$ base $\times$ height $= \frac{1}{2} \times 6 \times 5 = 15$ square units.

17) **Choice D is correct.** MA.6.GR.1.3 Base: $9 - 1 = 8$ units. Height: $7 - 1 = 6$ units. Area $= \frac{1}{2} \times 8 \times 6 = 24$ square units.

18) **Choice A is correct.** MA.6.GR.2.4 A valid net for a cube has exactly 6 square faces arranged so that when folded, they form a cube without overlap. A cross pattern and other valid arrangements work; a line of only 4 squares cannot fold into a cube.

19) **Choice C is correct.** MA.6.AR.3.2 Area $= \pi r^2 \approx 3.14 \times 9^2 = 3.14 \times 81 = 254.34$ ft^2.

20) **Choice B is correct.** MA.6.DP.1.4 IQR = Q3 − Q1, representing the spread of the middle 50% of the data. Range is max − min; mean is the average; mode is the most frequent.

21) **Choice D is correct.** MA.6.DP.1.2 In a box plot, the vertical line inside the box represents the median of the data.

22) **The correct answer is Food and Transportation are correctly calculated..** MA.6.AR.3.2 A: Housing is $35\% \times 2000 = \$700$, not \$800. Incorrect. B: Food is $25\% \times 2000 = \$500$. Correct. C: Utilities is $12\% \times 2000 = \$240$, not \$260. Incorrect. D: Transportation is $10\% \times 2000 = \$200$. Correct. E: Other is $18\% \times 2000 = \$360$, not \$450. Incorrect.

23) **Choice D is correct.** MA.6.DP.1.5 Mode: 64 in (5 dots) is correct. Total: $1+3+5+4+2 = 15$ correct. Median: 8th value of 15 is 64 in, correct. False statement: students ≥ 66 in are $4 + 2 = 6$ out of 15, which is 40%, not more than half.

24) **Choice C is correct.** MA.6.AR.3.4 Q_1, Q_2 (median), and Q_3 are the three quartiles shown in a box plot. They divide the dataset into four equal parts of 25% each.

25) **Choice D is correct.** MA.6.DP.1.5 Mean $= (30 + 35 + 40 + 42 + 45 + 90)/6 = 47.0$; median of 6 values is average of 3rd and 4th: $(40 + 42)/2 = 41$. The outlier 90 pulls the mean up significantly but has minimal impact on the median.

26) **Choice B is correct.** MA.6.NSO.3.5 Multiples of 10 from 1 to 100: $10, 20, 30, \ldots, 100$ (10 numbers). Probability $= \frac{10}{100} = \frac{1}{10}$.

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Hi, Math Gardener!

◇ Look at how much you grew! 6 tests is like 6 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

⋆ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ⋆

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

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PRACTICE TODAY. SUCCEED TOMORROW!

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 comprehensive assessments.

With 6 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.

6 PRINTED TESTS + 2 ONLINE TESTS

PERFECT FOR:

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

BUILD SKILLS. GAIN CONFIDENCE. SUCCEED!

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 concepts aligned with standards through meaningful practice.

Test Confidence
Become familiar 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
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.

6 FULL-LENGTH PRINTED TESTS | 2 ONLINE PRACTICE TESTS | DETAILED ANSWER EXPLANATIONS