

$\frac{2}{3}$

0,25



%

FULL-LENGTH Florida

$\frac{2}{4}$

$7 \times 8 =$



7×8

$56 \div 7$

$(a+b)^2$

3

Aligned to State Standards

FAST

MATH

Grade

5

PRACTICE TESTS

Complete State Standards Review
with Answer Key and
Essential Math Skills Practice



3 Full-Length Practice Tests
Aligned to State Standards



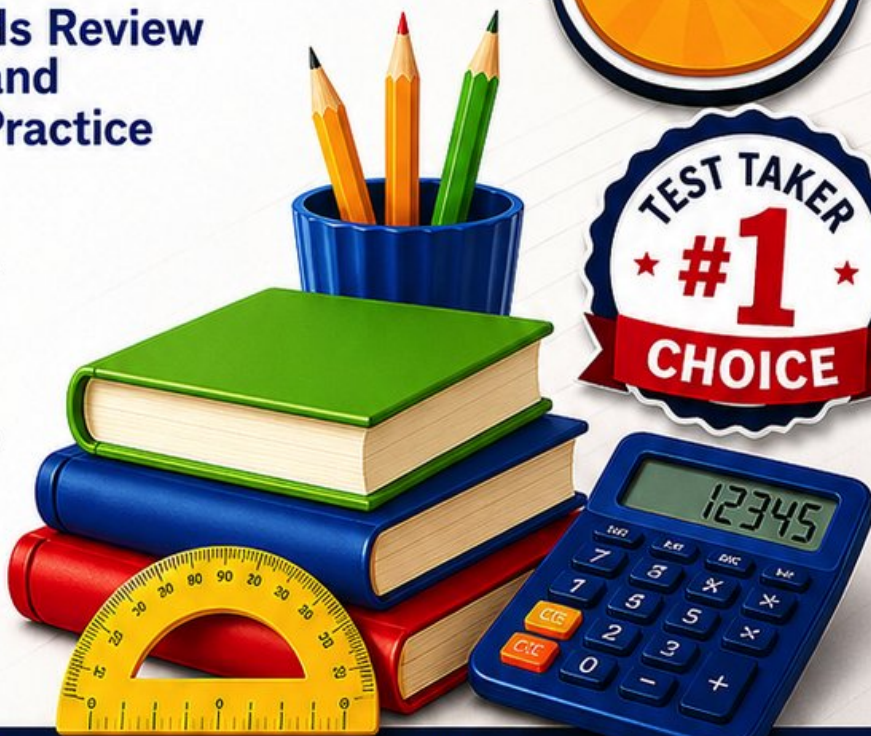
Covers All Grade 5 Math Topics
Numbers & Operations, Fractions,
Decimals, Geometry, Measurement,
Data & Problem Solving



Build Confidence
Strengthen Skills • Improve Accuracy
• Boost Test Readiness



Detailed Answer Key
Step-by-Step Explanations
for All Questions



WRITTEN FOR
GRADE 5 STUDENTS



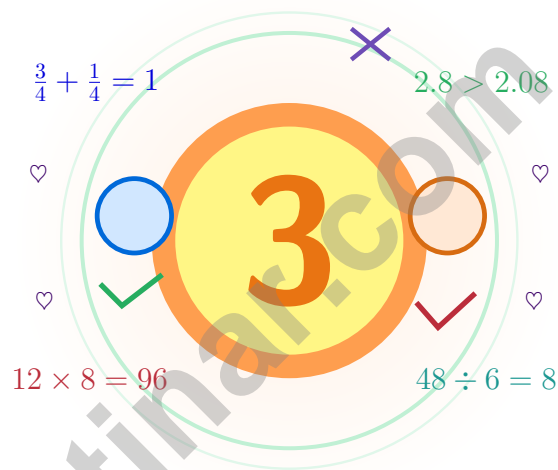
PERFECT FOR
TEST PREP & REVIEW



CLASSROOM, HOME,
OR SELF-STUDY USE

3 Florida FAST Grade 5 Math Practice Tests

Sunshine math for thinkers who keep their cool



Three full tests, a friendly quick review, smart strategy pages, and student-tested support that help Grade 5 mathematicians from The Sunshine State walk in ready to think.

Jay Daie and Reza Nazari



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Florida, This Book Is for You

Sunshine math for thinkers who keep their cool

Welcome Letter for Florida Math Students

Strong math work moves like a manatee in clear water: slow, steady, and full of quiet power.

Some questions will feel easy from the very first read. Others will ask you to pause, sketch, estimate, or try again. That is not a problem. That is practice doing exactly what it should do. Every honest attempt grows your math brain a little stronger.

Notice

Look closely at what the problem says, shows, and asks.

Try

Pick a plan and step through it carefully.

Grow

Use every correction as a clue for what to master next.

A Florida promise to yourself: I will glide through problems the way a Florida current glides through the Keys – calm, clear, and going somewhere good.

A Map of the Pages

A simple game plan that turns practice into real progress

Step 1: Preview

Begin with the quick review.

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Practice

Take one full practice test.

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Reflect

Check your work honestly.

Circle missed questions, sort out what went sideways, and notice which skills are calling for more attention.

Step 4: Level Up

Repair and retry.

Read the explanation, fix the work, and carry that lesson forward into the next test.

21 Days to Test Day

Week 1	Take Test 1 to learn your starting strengths – not just your starting score.
Week 2	Take Test 2 and give extra attention to the spots where reading carefully or showing work can lift your score.
Week 3	Take Test 3 and bring everything forward: calm focus, smart checking, stronger habits.



Scan me

Three-Test Walkthrough

What these practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in the Sunshine State for the bright, focused thinking the Florida FAST rewards. The goal is bigger than getting answers right. Students are practicing how to read with care, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every single day.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first, ruling out weak choices, and checking for reasonableness can save both time and points.

Constructed-Response Questions

Students show their steps, explain a method, or back up an answer with clear math. Clean reasoning matters because it shows how the answer was actually found.

Grade 5 Ideas That Show Up Again and Again

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, mixed numbers, and decimals
- perimeter, area, volume, and measurement conversions
- line plots, tables, numerical patterns, and coordinate points
- geometry and multi-step real-world problems

What strong work looks like on the FAST: the math is correct, the steps are readable, the labels and units match the problem, and the final answer truly answers the question being asked.



Table of Contents

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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

1 day = 24 hours (hr) 1 year = 52 weeks



1) A triangle has side lengths 6 cm, 6 cm, and 6 cm. Each angle measures 60° . Which classification describes the triangle by both side lengths and angle measures?

- A. Equilateral and obtuse C. Scalene and acute
 B. Isosceles and right D. Equilateral and acute

2) A scale diagram compares two quantities. If Unit 1 equals $(13 + 2)$, and Unit 2 equals $4 \times (13 + 2)$, which expression equals Unit 2 minus Unit 1?

- A. 3 C. $(13 + 2)$
 B. $4 \times (13 + 2)$ D. $3 \times (13 + 2)$

3) Find: $\frac{3}{4} \times 8$.

Record your answer in the space provided.

4) Which list shows the first three common denominators for $\frac{1}{2}$ and $\frac{1}{3}$?

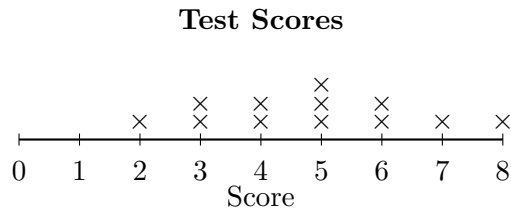
- A. 6, 12, 18 C. 1, 2, 3
 B. 2, 3, 6 D. 12, 24, 36

5) Identify the correct rounding statement:

- A. 6.234 rounded to the nearest tenth is 6.24 C. 6.234 rounded to the nearest whole number is 7
 B. 6.234 rounded to the nearest tenth is 6.2 D. 6.234 rounded to the nearest hundredth is 6.24



- 6) The line plot displays test scores (out of 10) for 12 students:



How many students scored 5 or higher?

- A. 4 C. 6
 B. 5 D. 7
- 7) Add: $5.04 + 2.93 = ?$
- A. 7.87 C. 7.07
 B. 8.97 D. 7.97
- 8) What is $6 \div \frac{1}{3}$?
- A. 18 C. 12
 B. 2 D. 6
- 9) Write the decimal for “three and forty-seven hundredths”.

Record your answer in the space provided.



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1) A rectangular prism is made up of unit cubes arranged in 9 rows, 4 columns, and stacked 6 high. How many unit cubes (volume) are there?

- A. 180 cubes C. 240 cubes
 B. 216 cubes D. 288 cubes

2) A shipping crate measures 8 centimeters long, 5 centimeters wide, and 7 centimeters tall. What is its volume?

- A. 280 cubic centimeters C. 56 cubic centimeters
 B. 40 cubic centimeters D. 35 cubic centimeters

3) Find the quotient: $4.2 \div 10$.

Record your answer in the space provided.

4) A teacher has $\frac{1}{5}$ of a chocolate bar. She divides it equally among 3 students. How much chocolate does each student get?

- A. $\frac{1}{15}$ of the bar C. $\frac{1}{2}$ of the bar
 B. $\frac{3}{5}$ of the bar D. $\frac{1}{8}$ of the bar

5) Find the missing minuend: $? - 4.29 = 7.56$.

- A. 11.95 C. 12.05
 B. 11.75 D. 11.85



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Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** (MA.5.GR.1.1) All three side lengths are equal, so the triangle is equilateral. All three angles are less than 90° , so it is acute.
- 2) **Choice D is correct.** (MA.5.AR.2.1) Unit 2 has 4 copies of $(13 + 2)$, while Unit 1 has 1 copy. Taking Unit 1 away leaves 3 copies of the whole amount, or $3 \times (13 + 2)$.
- 3) **The correct answer is 6.** (MA.5.FR.2.3) Multiply the whole number by the numerator: $\frac{3}{4} \times 8 = \frac{24}{4} = 6$. A helpful check is that 8 groups of three fourths should be more than 5, and 6 makes sense.
- 4) **Choice A is correct.** (MA.5.FR.2.1) The LCM of 2 and 3 is 6. Common denominators are multiples of 6: 6, 12, 18, 24, etc.
- 5) **Choice B is correct.** (MA.5.NSO.2.4) Only B is correct. For the nearest tenth, look at the hundredths digit (3). Since $3 < 5$, the tenths stays 2, giving 6.2. A names the wrong place (6.24 has two decimal places, not one). C is wrong because the tenths digit (2) is less than 5, so 6.234 rounds down to 6, not up to 7. D is wrong because the thousandths digit is 4, so the hundredths stays 3, giving 6.23 (not 6.24).
- 6) **Choice D is correct.** (MA.5.DP.1.1) Count X marks at 5, 6, 7, and 8. That is $3 + 2 + 1 + 1 = 7$ students scored 5 or higher.
- 7) **Choice D is correct.** (MA.5.NSO.2.3) Add: $5.04 + 2.93 = 7.97$ (hundredths: $4 + 3 = 7$; tenths: $0 + 9 = 9$; ones: $5 + 2 = 7$).
- 8) **Choice A is correct.** (MA.5.AR.1.3) $6 \div \frac{1}{3} = 6 \times 3 = 18$.
- 9) **The correct answer is 3.47.** (MA.5.NSO.1.2) Read the place value to decide whether the decimal uses tenths, hundredths, or thousandths. Three wholes, then 47 hundredths: 3.47. This confirms the answer.
- 10) **Choice B is correct.** (MA.5.AR.2.1) The directions say to add first, so group $14 + 6$ in parentheses. Then divide that result by 4.
- 11) **Choice A is correct.** (MA.5.FR.2.1) $\frac{5}{10}$ simplifies to $\frac{1}{2}$ by dividing the numerator and denominator by 5.
- 12) **Choice C is correct.** (MA.5.FR.2.1) Add whole parts: $3 + 1 = 4$. Add fractions: $\frac{1}{4} + \frac{3}{4} = 1$. Total: $4 + 1 = 5$.
- 13) **Choice C is correct.** (MA.5.AR.2.2) Simplify both parentheses first: $8 + 2 = 10$ and $5 - 1 = 4$. Then go left to right: $10 \times 4 = 40$, and $40 \div 5 = 8$.
- 14) **Choice B is correct.** (MA.5.NSO.2.2) Break 45 into 40 and 5: $(40 \times 7) + (5 \times 7) = 280 + 35 = 315$.
- 15) **Choice B is correct.** (MA.5.M.1.1) Convert to meters to compare clearly: 20 mm = 0.02 m, 250 cm = 2.5 m, and 2 km = 2,000 m. So the order is 20 mm < 2 m < 250 cm < 2 km.
- 16) **Choice C is correct.** (MA.5.GR.1.2) A figure with 4 equal sides and 4 right angles is a square. A square is also a rectangle and a rhombus, so "only" makes choices A and B too narrow.
- 17) **Choice B is correct.** (MA.5.GR.4.2) Check: (3, 9) has second coordinate $3 \times 3 = 9$. The other points do not have a second coordinate that is 3 times the first.
- 18) **Choice B is correct.** (MA.5.FR.2.3) $45 \div 1000 = 0.045$. Dividing by 1,000 moves decimal 3 places left.
- 19) **Choice C is correct.** (MA.5.FR.2.3) $9 \times 2 = 18$ feet. Scaling by a factor greater than 1 (in this case, 2) stretches or enlarges the amount.
- 20) **Choice C is correct.** (MA.5.AR.2.1) Three copies of 20 are greater than two copies, one copy, or half of one copy.
- 21) **Choice B is correct.** (MA.5.AR.2.2) Work outward: $12 \div 3 = 4$, then $[4 + 1] = 5$, then $5 \times 2 = 10$. The final subtraction gives $10 - 3 = 7$.
- 22) **Choices A, B are correct.** (MA.5.GR.4.2) The point (3, 70) has x-coordinate 3 and y-coordinate 70. That matches the axis labels in the graph.
- 23) **The correct answer is 45.** (MA.5.NSO.2.2) $21 \times 40 = 840$, leaving 105. $105 \div 21 = 5$. Quotient: $40 + 5 = 45$.
- 24) **Choice C is correct.** (MA.5.GR.1.1) The two top angles, angles 3 and 4, are wider than right angles, so they are obtuse. The two bottom angles are smaller than right angles.
- 25) **The correct answer is 2.5.** (MA.5.GR.4.2) For nonzero terms, $5 \div 2 = 2.5$, $10 \div 4 = 2.5$, and $15 \div 6 = 2.5$. Each A value is 2.5 times the matching B value.
- 26) **Choice C is correct.** (MA.5.AR.1.2) $\frac{3}{4} \times 24 = \frac{3 \times 24}{4} = \frac{72}{4} = 18$, so 18 cups of oats are needed.



Dear Math Champion,

◇ Look at what you did. 3 full practice tests. Hundreds of math problems. Every one of them strengthened your mind. You walked into this prep series as a learner, and you are walking out as a math athlete who knows how to compete. ◇

★ **What champions know:** talent is helpful, but training is everything. You trained. You showed up. You did the work. That is why your skills are sharp today. ★

Champion's Skill Card

- **Focus:** MAXED OUT! You can lock onto a problem and stay there.
- **Speed:** CALIBRATED! You move quickly without rushing.
- **Accuracy:** HIGH! You catch your own mistakes.
- **Mindset:** CHAMPION-LEVEL! You believe in your skills.

Final champion tip: on test day, walk in like you have trained for it—because you have. Sit down. Breathe. Read carefully. Work steadily. Check confidently. You will be amazed at how prepared you actually are.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

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Strengthen understanding and problem-solving through varied question types.



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- ✓ Achieve your best score!



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