

10 COMPLETE

South Carolina

SC READY

GRADE 5

MATH

PRACTICE TESTS

Standards-Based Review with
Mixed Practice and Detailed Answer Key



10 Complete Practice Tests

Build confidence and test readiness



Standards-Based Review

Covers key Grade 5 math standards



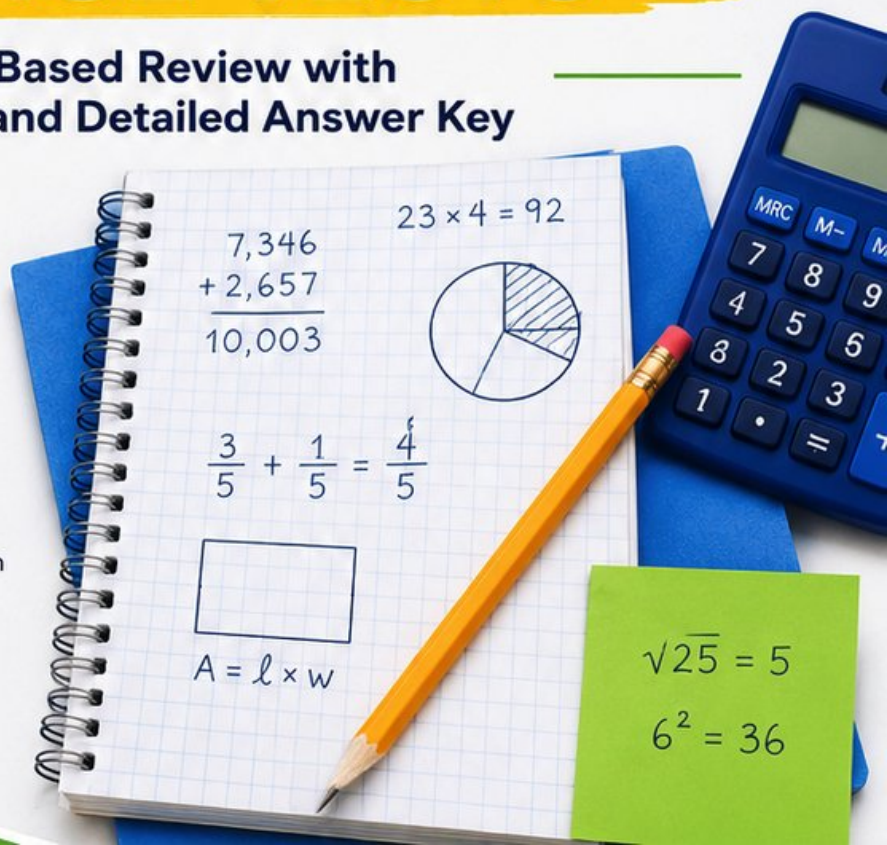
Mixed Practice

Variety of question types to strengthen skills



Detailed Answer Key

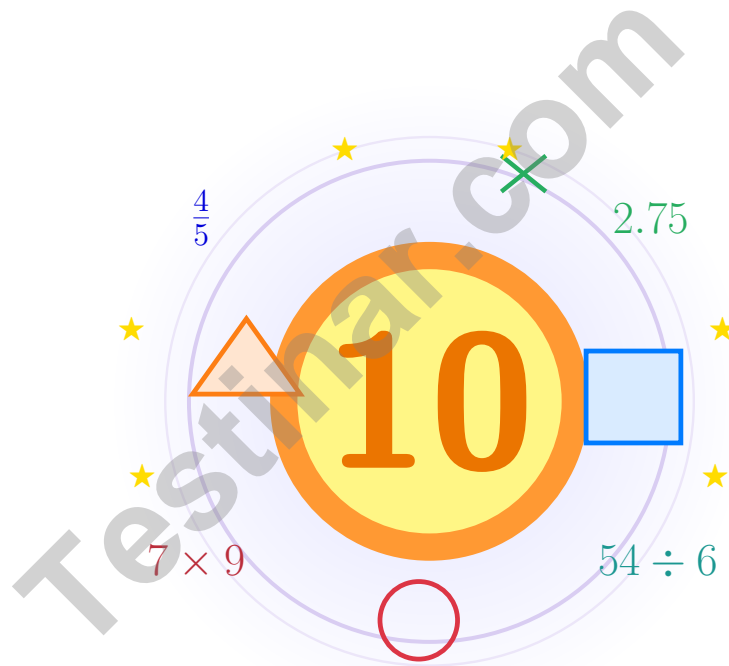
Step-by-step explanations for every question



PREPARE.
PRACTICE.
SUCCEED!

10 South Carolina SC READY Grade 5 Math Practice Tests

Bright review, thoughtful practice, and steady confidence for Grade 5



Ten full tests, a focused quick review, and student-friendly support that keeps practice clear and encouraging.

Jay Daie and Reza Nazari

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Welcome!

This book is a place to practice bravely and think clearly

Dear Grade 5 Mathematician

This book gives you ten chances to read carefully, solve thoughtfully, and build steady math confidence. Some problems will feel friendly right away. Some will take more patience. Both kinds help you grow.

The goal is not to feel perfect before you begin. The goal is to practice honest effort, learn from corrections, and notice how much stronger your thinking becomes over time.

Read

Slow down and understand the task.

Solve

Show clear steps and good choices.

Learn

Use mistakes as clues for what comes next.

A strong habit from the start: keep your work neat, estimate when it helps, write units carefully, and do not let one hard problem decide your mood for the whole page.



How to Use This Book

A simple routine that turns practice into real progress

Step 1

Warm up with the quick review.

Spend a few minutes refreshing the ideas before the test begins.

Step 2

Take one full practice test.

Work in a calm spot and aim for careful thinking before speed.

Step 3

Check your work honestly.

Circle missed questions and notice which skills need another look.

Step 4

Fix and reflect.

Read the explanation, repair the work, and bring that lesson into the next test.



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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) Order these decimals from least to greatest:

5.1, 5.01, 5.11, 5.001

A. 5.11, 5.1, 5.01, 5.001

C. 5.1, 5.01, 5.001, 5.11

B. 5.001, 5.01, 5.11, 5.1

D. 5.001, 5.01, 5.1, 5.11

2) A garden plot is 28 square meters. If a farmer uses $\frac{3}{4}$ of it, which statement is true?

A. She uses more than 28 square meters

C. She uses exactly 28 square meters

B. She uses less than 28 square meters

D. Cannot be determined

3) Find the least common denominator of $\frac{5}{12}$ and $\frac{7}{8}$.

Record your answer in the space provided.

4) Centimeter to millimeter conversion: 3.5 cm = ____ mm. (1 cm = 10 mm.) What is the result?

A. 0.35 mm

C. 35 mm

B. 3.5 mm

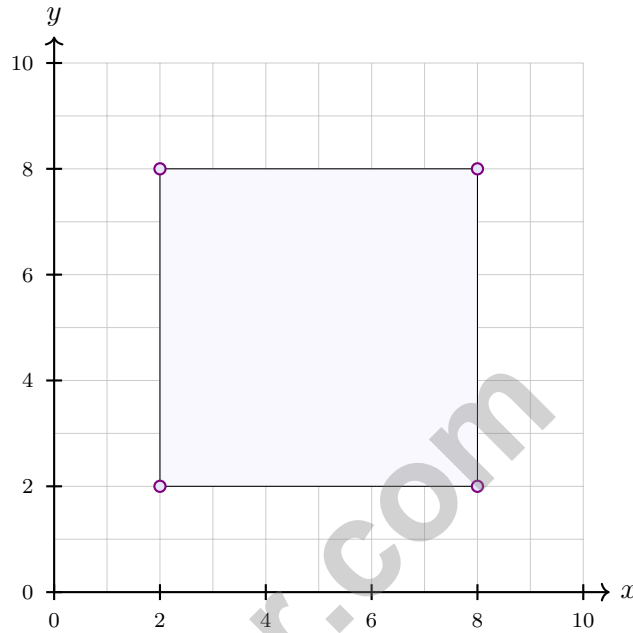
D. 350 mm

5) Write the fraction $\frac{15}{25}$ in simplest form.

Record your answer in the space provided.

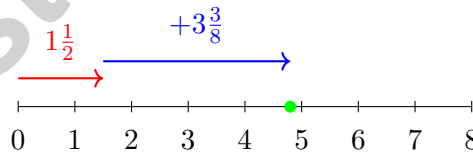


- 6) Four points are plotted: (2, 2), (8, 2), (8, 8), and (2, 8). What is the most specific name for the shape they form?



- | | |
|---------------------------------------|---|
| <input type="checkbox"/> A. Square | <input type="checkbox"/> C. Trapezoid |
| <input type="checkbox"/> B. Rectangle | <input type="checkbox"/> D. Parallelogram |

7)



Number line: $1\frac{1}{2} + 3\frac{3}{8} = ?$

- | | |
|--|--|
| <input type="checkbox"/> A. $4\frac{7}{8}$ | <input type="checkbox"/> C. 5 |
| <input type="checkbox"/> B. $4\frac{3}{4}$ | <input type="checkbox"/> D. $5\frac{1}{8}$ |



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

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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) Three-addend total: $1.23 + 2.45 + 0.89 = ?$

A. 4.47

C. 4.67

B. 5.57

D. 4.57

2) A triangle has angles 50° , 60° , and 70° . Classify the triangle by its angles.

A. Acute triangle

C. Obtuse triangle

B. Right triangle

D. Scalene triangle

3) Compare: $36 \div 4$ $36 \div 6$

A. $>$

C. $=$

B. $<$

D. Cannot tell

4) A jewelry item weighs 5.024 grams. Round to the nearest whole gram.

A. 5 g

C. 5.1 g

B. 5.02 g

D. 6 g

5) Simplify: $12 \times \frac{1}{6}$

A. $\frac{12}{5}$

C. $\frac{1}{72}$

B. 2

D. 6

6) Without calculating, which statement is true?

A. $25 \times \frac{2}{5} > 25$

C. They cannot be compared

B. $25 \times \frac{2}{5} = 25$

D. $25 \times \frac{2}{5} < 25$

7) What is $7.2 \div 10$?

A. 72

C. 0.072

B. 0.72

D. 7.20



39) Estimate: $\frac{2}{3} - \frac{1}{8}$.

A. 0

C. 1

B. $\frac{1}{2}$

D. 2

40) Place-value shift table: when 0.56 is multiplied by increasing powers of 10, the decimal moves right. Complete the pattern table.

Expression	Value
0.56×10	5.6
0.56×100	56
0.56×1000	?

A. 5.6

C. 560

B. 56

D. 5600

End of Practice Test

Nice work. Pause, breathe, and check your answers with care.



Scan me

Grade 5 Mathematics

10

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



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

- Choice D is correct.** (5.NR.1.1) All have ones place = 5. Compare tenths: 5.001 and 5.01 have 0; 5.1 and 5.11 have 1. Then hundredths and thousandths refine order.
- Choice B is correct.** (5.PAFR.3.2) $28 \times \frac{3}{4} = 21$ square meters. Since $\frac{3}{4} < 1$, the area used is less than the original 28.
- The correct answer is 24.** (5.NR.2.1) The least common multiple of 12 and 8 is 24.
- Choice C is correct.** (5.NR.1.4) $3.5 \times 10 = 35$ mm (move decimal 1 place right).
- The correct answer is $\frac{3}{5}$.** (5.NR.2.1) Divide both by 5: $\frac{15 \div 5}{25 \div 5} = \frac{3}{5}$.
- Choice A is correct.** (5.MGSR.3.2) All four sides are equal: each side is $8 - 2 = 6$ units long. All angles are right angles. This is a square.
- Choice A is correct.** (5.PAFR.2.1) Convert to eighths: $1\frac{4}{8} + 3\frac{3}{8} = 4\frac{7}{8}$.
- Choice B is correct.** (5.NR.1.4) Dividing by a power of 10 shifts the value to a smaller place. $5,600 \div 100 = 56$ books per classroom. This confirms the answer.
- Choice B is correct.** (5.MGSR.1.2) The base area is 60 square inches. Since $300 \div 60 = 5$, the height is 5 inches.
- Choice B is correct.** (5.PAFR.3.2) $12 \times \frac{2}{3} = 8$. The scaling factor $\frac{2}{3}$ is less than 1, so the product is smaller than the original. Two-thirds of 12 is 8.
- Choice C is correct.** (5.NR.1.4) Multiplying by 1,000 moves the decimal three places right: $0.04 \rightarrow 0.4 \rightarrow 4 \rightarrow 40$.
- Choice A is correct.** (5.PAFR.2.3) $9 \div \frac{1}{3} = 9 \times 3 = 27$.
- Choice A is correct.** (5.NR.1.4) $47 \times 1000 = 47000$. Append three zeros to the right.
- Choice C is correct.** (5.MGSR.3.1) One repeat moves from (0, 0) to (2, 3). A second repeat adds another 2 to x and another 3 to y, giving (4, 6).
- Choice B is correct.** (5.NR.1.3) The hundredths digit is 9. The thousandths digit is 6. Since $6 \geq 5$, round hundredths up: $9 \rightarrow 10$, which rolls over. The ones digit becomes 5, giving 5.00 inches.
- Choice C is correct.** (5.PAFR.2.3) Each whole contains 2 pieces of size $\frac{1}{2}$. With 1 whole, there are $1 \times 2 = 2$ pieces.
- Choice B is correct.** (5.MGSR.1.1) A rectangle is a quadrilateral with four right angles. It also has two pairs of parallel sides, so choices A and D are not true.
- Choice B is correct.** (5.MGSR.3.2) $5 + 7 = 12$. Choice D is not correct because $2 + 7 = 9$, not 8.
- Choice D is correct.** (5.PAFR.3.2) $5\frac{1}{3} = \frac{16}{3}$ and $1\frac{1}{2} = \frac{3}{2}$. Multiply: $\frac{16}{3} \times \frac{3}{2} = \frac{48}{6} = 8$.
- Choices A, B are correct.** (5.MGSR.2.1) A is correct: 1 m = 100 cm. B is correct: 1 km = 1,000 m. C is incorrect: 1 L = 1,000 mL (not 10). D is incorrect: 1 kg = 1,000 g (the relationship is reversed).
- Choice D is correct.** (5.NR.1.4) Dividing by 10 moves each digit one place to the right in the place-value chart, so $7 \div 10 = 0.7$.
- Choice B is correct.** (5.NR.2.1) $\text{LCM}(12, 8) = 24$. $\frac{7}{12} = \frac{14}{24}$ and $\frac{1}{8} = \frac{3}{24}$. $\frac{14}{24} + \frac{3}{24} = \frac{17}{24}$.
- Choice D is correct.** (5.MGSR.3.2) Rule A: 2, 6, 10; Rule B: 1, 4, 7. Second pair is (6, 4), third is (10, 7).
- Choice D is correct.** (5.PAFR.2.3) $\frac{3}{5} \times \frac{5}{6} = \frac{15}{30}$, which simplifies to $\frac{1}{2}$ meter.
- Choice A is correct.** (5.PAFR.2.1) $\frac{7}{15} \approx 0.47$ and $\frac{5}{13} \approx 0.38$, so true sum ≈ 0.85 . Estimate is 1. Difference: $1 - 0.85 = 0.15 < 0.5$. The estimate is reasonable.
- Choice D is correct.** (5.MGSR.1.2) Volume = $9 \times 8 \times 3 = 216$ cubic meters.
- The correct answer is $1\frac{1}{4}$.** (5.PAFR.2.2) $\frac{3}{4} + \frac{1}{2} = \frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$.
- Choice C is correct.** (5.MGSR.1.1) A parallelogram with all sides equal is a rhombus. This is the most specific classification.
- Choice D is correct.** (5.MGSR.1.1) One 90-degree angle = right; all different sides = scalene. Combined: right scalene.
- The correct answer is $3\frac{1}{4}$.** (5.PAFR.2.1) Rewrite $4\frac{1}{2} = 4\frac{2}{4}$. Subtract: $(4 - 1) + (\frac{2}{4} - \frac{1}{4}) = 3\frac{1}{4}$.
- Choice D is correct.** (5.NR.1.1) Line up decimal points and subtract place by place. $12.50 - 8.75 = 3.75$ miles. This confirms the answer.



Captain of Your Own Math Plane,

◇ 10 practice tests behind you. That's many flights logged in your math airplane. You've handled clear weather, turbulence, tricky landings, and long routes. You're a real pilot now. ◇

★ **Pilots know:** a good pre-flight check makes for a good flight. Before each test problem, do your check: read the question, look at the numbers, pick a strategy. That short check makes the rest of the flight smooth. ★

Flight Crew Skills

- **Pre-flight Check:** CONSISTENT! You read questions carefully.
- **Navigation:** STRONG! You pick a clear strategy.
- **Steady Flight:** STEADY! You stay calm through long tests.
- **Landing:** SHARP! You always check your final answer.

Pilot's tip: on test day, don't fly the whole flight in your head before takeoff. Just take off. Then handle one problem at a time. Trust your training. You've earned your wings.

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

Your Math Pilot (Clear Skies Ahead)

PRACTICE TODAY. MASTER TOMORROW.

Give your child the confidence to excel in **Grade 5 Math!**
This book includes **10 complete practice tests** designed to build strong skills, improve test readiness, and achieve success.



10

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Achieve Success

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- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Graphing & Data Analysis
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ And More!



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