

9

Pennsylvania PSSA

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Pennsylvania PSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 4 practice rounds for PSSA, built around keystone bridges, city streets, and careful explanation work, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Pennsylvania Math Explorer!

Nine steady rounds on the Keystone State math route

This book gives you nine full Grade 4 practice tests for PSSA. Each round uses keystone bridges, city streets, and careful explanation work to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Pennsylvania Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for Pennsylvania PSSA review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Keystone State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Nine tests, 270 questions, and a full PSSA review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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& answers

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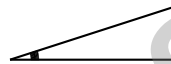
1) A ribbon is 0.75 meters long. Which fraction is equivalent to this length?

- A. $\frac{7}{10}$
 B. $\frac{75}{100}$

- C. $\frac{75}{10}$
 D. $\frac{750}{100}$

2) One basket holds 5 apples. Another basket holds 6 times as many apples. What is the total number of apples in both baskets?

3)



This angle shows tick marks from 0 to 18 degrees. Write the measure of this angle.

4) Mia's bedroom window is a rectangle. The length is 4 feet and the width is 3 feet. What is the area of the window?

- A. 7 sq ft
 B. 12 sq ft

- C. 14 sq ft
 D. 21 sq ft



- 5) Two cities are separated by a distance. City A to City C is 52,847 meters. City A to City B is 18,956 meters. How much farther is it from City A to City C than from City A to City B?
- A. 33,891 meters C. 34,891 meters
 B. 33,791 meters D. 32,891 meters
- 6) Which decomposition of $\frac{9}{12}$ has three equal parts?
- A. $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$ C. $\frac{1}{12} + \frac{4}{12} + \frac{4}{12}$
 B. $\frac{2}{12} + \frac{3}{12} + \frac{4}{12}$ D. $\frac{5}{12} + \frac{2}{12} + \frac{2}{12}$
- 7) An angle is formed wherever two rays share a common:
- A. line C. segment
 B. endpoint D. circle
- 8) Amir needs 45 grams of butter for a recipe. He has 60 grams. How much extra butter does he have?
- A. 15 grams C. 60 grams
 B. 45 grams D. 105 grams
- 9) What is $2 \times \frac{3}{4}$?
- A. $\frac{6}{4}$ or $1\frac{1}{2}$ C. $\frac{3}{2}$
 B. $\frac{3}{8}$ D. $\frac{2}{4}$
- 10) A decreasing pattern starts at 96 and divides by 2 each time. What is the 4th term?
- A. 6 C. 24
 B. 48 D. 12



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11) Find $\frac{5}{6} + \frac{1}{6}$.

12) What is 78,234 rounded to the nearest hundred?

- A. 78,000 C. 78,230
 B. 78,300 D. 78,200

13) Which pair of fractions are correctly compared using 0 and 1 as benchmarks?

- A. $\frac{2}{100} < \frac{99}{100}$ (both close to benchmarks)
 B. $\frac{7}{12} > \frac{5}{12}$ (both close to $\frac{1}{2}$)
 C. $\frac{6}{10} > 1$ (beyond benchmark 1)
 D. $\frac{1}{8} < 0$ (below benchmark 0)

14) Isha ran 0.86 miles. Patel ran 0.68 miles. Who ran farther?

- A. Isha (0.86 miles) C. They ran the same distance
 B. Patel (0.68 miles) D. Patel ran much farther

15) Which TWO problems require regrouping when subtracting mixed numbers?

- A. $2\frac{5}{6} - 1\frac{2}{6}$
 B. $3\frac{1}{5} - 2\frac{4}{5}$
 C. $4\frac{1}{3} + 2\frac{2}{3}$
 D. $5\frac{2}{10} - 3\frac{1}{10}$
 E. $2\frac{3}{8} - 1\frac{6}{8}$



1) Jude had $5\frac{4}{8}$ pounds of berries. He ate $2\frac{5}{8}$ pounds. How many pounds of berries does he have left?

A. $2\frac{6}{8}$ pounds

C. $2\frac{7}{8}$ pounds

B. $3\frac{1}{8}$ pounds

D. $3\frac{2}{8}$ pounds

2) Three angles meet at a vertex. Two of the angles measure 47° and 53° . Together, what do these two angles measure?

3) Ava's garden is a rectangle. It is 18 feet long and 12 feet wide. She wants to put a fence around it. How many feet of fencing does she need?

A. 30 ft

C. 216 ft

B. 60 ft

D. 120 ft

4) What is 2,735 rounded to the nearest ten?

A. 2,730

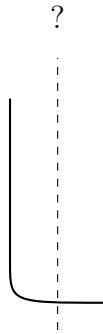
C. 2,700

B. 2,800

D. 2,740



5) Look at the letter U below. Where is its line of symmetry?



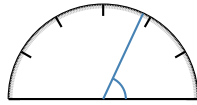
- A. Horizontally across the middle
- B. Vertically down the middle
- C. Diagonally from corner to corner
- D. It has no line of symmetry
- 6) Hassan ate $\frac{2}{6}$ of a pizza and Iris ate $\frac{1}{3}$ of an identical pizza. Who ate more, or did they eat the same amount?

- 7) A baker made 36 muffins. This is 9 times as many as yesterday. How many muffins did the baker make yesterday?
- A. 45
- B. 27
- C. 324
- D. 4
- 8) A coach has 3 teams. Team A has 18 players, Team B has 22 players, and Team C has 20 players. They want to divide all players equally into 8 groups. How many players are in each group, and how many players are left over?
- A. 15
- B. 8
- C. 6 remainder 2
- D. 7 remainder 4



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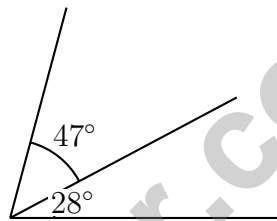
1)



What is the best estimate of this angle?

- A. 60 degrees C. 75 degrees
 B. 70 degrees D. 65 degrees

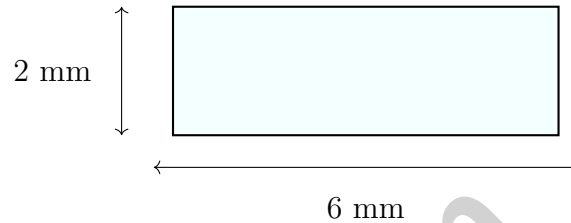
2) Look at the angle diagram. Two angles share a vertex. One angle measures 28° and the other measures 47° . Together, what is the total measure of both angles?



- A. 19° C. 104°
 B. 75° D. 90°
- 3) A kitchen has 240 ounces of rice to divide equally among 4 storage bins. How many ounces of rice go in each bin?
- A. 60 ounces C. 120 ounces
 B. 80 ounces D. 240 ounces
- 4) Which subtraction is correct?
- A. $7,123 - 2,456 = 4,667$ C. $7,123 - 2,456 = 5,567$
 B. $7,123 - 2,456 = 5,667$ D. $7,123 - 2,456 = 5,777$



5) In the number 52,864, what is the value of the digit in the tens place?



6)

What is the area of the rectangle shown?

- A. 8 sq mm C. 16 sq mm
 B. 18 sq mm D. 12 sq mm

7) A restaurant uses 9 tablespoons of salt in each pot of soup. If they make 8 pots of soup and then use an additional 12 tablespoons for seasoning, how many tablespoons of salt do they use in total?

8) Which quotient and remainder is correct for $849 \div 9$?

- A. 93 r6 C. 95 r4
 B. 96 r1 D. 94 r3



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& answers

Practice Test Answer Keys

How to use this section with a Grade 4 student:

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

A calm correction routine turns every missed item into useful practice.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice B is correct.** (CC.2.1.4.C.3) A ribbon 0.75 meters long is $\frac{75}{100}$ of a meter (or three quarters of a meter).
- The correct answer is 35.** (CC.2.4.4.A.4) Two steps. Step 1: the second basket has $5 \times 6 = 30$ apples. Step 2: add the first basket for the total: $5 + 30 = 35$ apples.
- The correct answer is 18.** (CC.2.3.4.A.3) The angle spans from 0° to 18° , so it measures 18° .
- Choice B is correct.** (CC.2.2.4.A.2) Window area = $4 \times 3 = 12$ sq ft.
- Choice A is correct.** (1.4.B.1) To find how much farther, we subtract. $52,847 - 18,956 = 33,891$ meters.
- Choice A is correct.** (CC.2.1.4.C.1) Three pieces, all the same: $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$. Add the numerators: $3 + 3 + 3 = 9$, giving $\frac{9}{12}$ ✓.
- Choice B is correct.** (CC.2.3.4.A.3) An angle is formed by two rays that share a common endpoint, called the vertex.
- Choice A is correct.** (CC.2.4.4.A.1) Amir has 60 grams of butter but only needs 45 grams. Subtract: $60 - 45 = 15$ grams. He has 15 grams extra.
- Choice A is correct.** (CC.2.1.4.C.2) We take 2 copies of $\frac{3}{4}$. Multiply: $2 \times \frac{3}{4} = \frac{2 \times 3}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$. The answer is $1\frac{1}{2}$.
- Choice D is correct.** (CC.2.2.4.A.2) Divide by 2 each time: $96 \rightarrow 48 \rightarrow 24 \rightarrow 12$. The 4th term is 12.
- The correct answer is 1.** (CC.2.1.4.C.1) Add the numerators: $5 + 1 = 6$. We get $\frac{6}{6}$, which equals 1 whole.
- Choice D is correct.** (1.4.B.1) We're rounding to the nearest hundred. Look at the tens digit: 3. Since $3 < 5$, we round DOWN. The hundreds digit stays at 2, giving us **78,200**. ✓
- Choice A is correct.** (1.4.C) $\frac{2}{100}$ is tiny (close to 0), while $\frac{99}{100}$ is almost 1. So $\frac{2}{100} < \frac{99}{100}$. The benchmark fractions 0 and 1 show the comparison clearly.
- Choice A is correct.** (CC.2.1.4.C.3) Compare the tenths place: $8 > 6$, so $0.86 > 0.68$. Isha ran farther.
- The correct answer is B, E.** (CC.2.1.4.C.1) Check A: $\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$; no regrouping needed. Check B: $\frac{1}{5} < \frac{4}{5}$, so regroup: $3\frac{1}{5} = 2\frac{6}{5}$. Regrouping is needed. Correct! Check C: This is addition, so it is not a mixed-number subtraction problem. Check D: $\frac{2}{10} - \frac{1}{10} = \frac{1}{10}$; no regrouping needed. Check E: $\frac{3}{8} < \frac{6}{8}$, so regroup: $2\frac{3}{8} = 1\frac{11}{8}$. Regrouping is needed. Correct! B and E are the answers.
- Choice D is correct.** (CC.2.1.4.B.1) The 6 in the hundreds place is worth 600, and the 6 in the tens place is worth 60. Since $600 \div 60 = 10$, the hundreds place is 10 times greater. ✓
- Choice B is correct.** (4.4.A.4) Leo's total: $\frac{6}{4}$. Sam's total: $\frac{4}{4} = 1$. Chris's total: $\frac{9}{4}$. Sam has the shortest length.
- Choice C is correct.** (CC.2.4.4.A.6) When pie slices are combined, their angles add up: $40^\circ + 60^\circ = 100^\circ$.
- Choice A is correct.** (CC.2.1.4.B.2) Break 256 by value: $7 \times (200 + 50 + 6) = 1400 + 350 + 42 = 1792$ books.
- Choice D is correct.** (CC.2.2.4.A.1) Two steps! Step 1: take away the sheep she sold: $80 - 25 = 55$. Step 2: add the new sheep: $55 + 30 = 85$ sheep.
- Choice D is correct.** (CC.2.1.4.C.1) The garden has 5 equal rows, and plants are in 3 of them. So the fraction with plants is $\frac{3}{5}$, which breaks into unit fractions: $\frac{3}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$.
- Choice A is correct.** (CC.2.1.4.B.2) Long division: $4 \div 5 = 0$ r4, bring down the 2 to get $42 \div 5 = 8$ r2, bring down the 0 to get $20 \div 5 = 4$, bring down the 5 to get $5 \div 5 = 1$. The quotient is **841**.
- Choice D is correct.** (CC.2.1.4.B.1) Thousands and hundreds match. Compare the tens place: $2 < 5$, so $3,425 < 3,450$. ✓
- Choice B is correct.** (CC.2.1.4.C.2) The fraction $\frac{4}{10}$ is the same as 4 copies of $\frac{1}{10}$. We write this multiplication as $4 \times \frac{1}{10}$.
- Choice B is correct.** (CC.2.1.4.C.2) On the number line, each jump moves forward by $\frac{1}{2}$. Four jumps starting from 0 land us at 2, showing $4 \times \frac{1}{2} = 2$.
- Choice C is correct.** (CC.2.3.4.A.3) The angle spans from 90° (up) to 30° (clockwise), measuring 60° .
- Choice C is correct.** (CC.2.1.4.C.3) The dot is at the third mark out of 10 equal marks, so it shows $\frac{3}{10}$.



Cheer Squad Final Pep Talk

Hi, Math Star!

◇ 9 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 9 times. That's real confidence. It is not pretend! ★

Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

Cheer tip: on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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

Jay Daie

Your Math Cheerleader

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

PERFECT FOR:

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

★ **CONFIDENCE IN MATH.
SUCCESS FOR LIFE.**

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.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Academic Success

Strengthen skills needed for future learning.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More!



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Strengthens Critical Thinking & Problem Solving



Encourages Independent Learning



Prepares Students for Future Success