

5

Pennsylvania PSSA

Standards-Aligned Review with
Mixed Practice and Answer Key

A+

5 Pennsylvania PSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five 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.

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Welcome, Pennsylvania Math Explorer!

Five steady rounds on the Keystone State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	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)

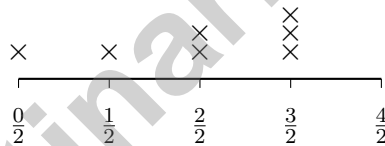
This place-value chart shows the first number. If you add 1,234 to it, what is the sum?

- A. 3,575 C. 3,565
 B. 3,465 D. 3,475

2) A triangle has all three sides of equal length. What can you say about its angles?

- A. All angles are equal and acute C. One angle is greater than 90 degrees
 B. One angle is 90 degrees D. The angles are different sizes

3) Look at this line plot with halves:

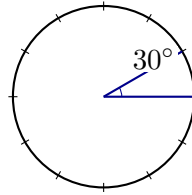


What is the difference between the number of X marks at $\frac{3}{2}$ and at $\frac{1}{2}$?

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

4) How many lines of symmetry does a circle have?

- A. 0 C. Infinitely many
 B. 1 D. 4



5)

Ava's angle measures 30° . How many one-degree angles does it contain?

- A. 15 one-degree angles C. 60 one-degree angles
 B. 30 one-degree angles D. 3 one-degree angles

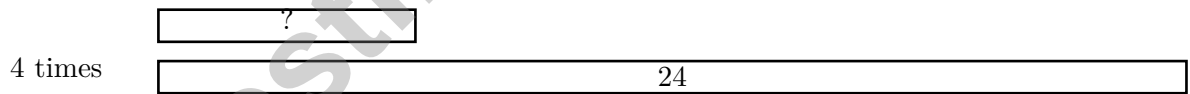
6) What is $\frac{7}{12} + \frac{2}{12}$?

- A. $\frac{9}{24}$ C. $\frac{14}{12}$
 B. $\frac{9}{12}$ D. $\frac{5}{12}$

7) What is $7 \times \frac{1}{5}$ as a mixed number?

- A. $\frac{1}{35}$ C. $2\frac{2}{5}$
 B. $\frac{7}{1}$ D. $\frac{7}{5}$ or $1\frac{2}{5}$

8)



A fruit stand has 24 apples. The number of apples is 4 times the number of oranges. How many oranges are there?

- A. 4 C. 8
 B. 12 D. 6

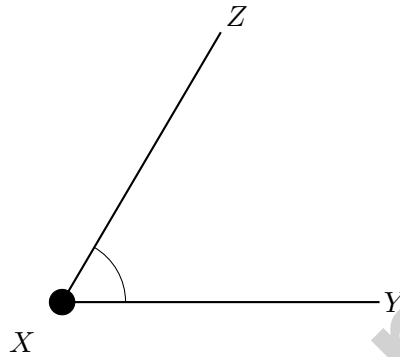


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9) Which fraction is equivalent to $\frac{1}{2}$ and has a denominator of 100?

- A. $\frac{50}{100}$
 B. $\frac{25}{100}$

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



10)

In angle $\angle YXZ$, which letter names the vertex?

- A. X
 B. Y

- C. Z
 D. All three

11) A straight angle of 180° is divided into five equal parts. What is the measure of each part?

12) One batch of a recipe uses $\frac{2}{5}$ cup of flour. If you make 3 batches, how much flour do you use?

- A. $\frac{2}{15}$ cup
 B. $\frac{6}{5}$ cups (or $1\frac{1}{5}$ cups)

- C. $\frac{3}{5}$ cup
 D. $\frac{5}{5}$ cup



5) In the number 3,456, the digit 5 is in which place?

- A. Ones place C. Hundreds place
 B. Thousands place D. Tens place

6) What rule describes this pattern? 12, 18, 24, 30, 36, ...

- A. Add 12 C. Multiply by 2
 B. Add 8 D. Add 6 (multiples of 6)

7) Write $2\frac{5}{6}$ as an improper fraction.

8) Which decimal is greatest?

- A. 0.48 C. 0.44
 B. 0.84 D. 0.41

9) Rename $5 \times \frac{1}{4}$ as a mixed number.

- A. $1\frac{1}{4}$ C. $2\frac{1}{4}$
 B. $1\frac{1}{5}$ D. $\frac{5}{4}$

10) A triangle has one right angle. What type of triangle is it?

- A. Acute triangle C. Right triangle
 B. Obtuse triangle D. Equilateral triangle



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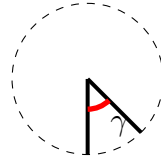
5) A rectangle has an area of 45 square centimeters. The length is 9 centimeters. What is the width?

A. 4 cm

C. 7 cm

B. 6 cm

D. 5 cm



6)

What is the measure of angle γ ?

A. 45°

C. 90°

B. 60°

D. 135°

7) Which number rounds to 70,000 when rounded to the nearest ten thousand?

A. 64,999

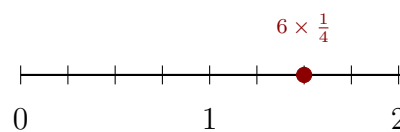
C. 75,001

B. 74,500

D. 75,499

8) Convert $\frac{5}{10}$ to a fraction with denominator 100.

9) On a number line, locate the point at $6 \times \frac{1}{4}$. What is this value as a mixed number?



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

C. $1\frac{1}{4}$

B. $1\frac{2}{4}$

D. $\frac{6}{4}$



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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 A is correct.** (1.4.B.1) The chart shows 2,341. Add: ones $1 + 4 = 5$, tens $4 + 3 = 7$, hundreds $3 + 2 = 5$, thousands $2 + 1 = 3$. The sum is **3,575**.
- Choice A is correct.** (3.4.A.2) An equilateral triangle has three equal sides and three equal angles. Each angle measures 60 degrees, which is acute (less than 90 degrees). The answer is **A**.
- Choice B is correct.** (4.4.A.4) At $\frac{1}{2}$ inch there is 1 X mark. At $\frac{3}{2}$ inches there are 3 X marks. The difference is $3 - 1 = 2$.
- Choice C is correct.** (CC.2.3.4.A.3) A circle is super special! No matter which direction you draw a line through its center, both sides match perfectly. You could draw infinitely many such lines, so a circle has infinitely many lines of symmetry.
- Choice B is correct.** (CC.2.3.4.A.3) When we say an angle measures 30° , that means it is made of **30** one-degree angles.
- Choice B is correct.** (CC.2.1.4.C.1) Same denominator rule: $7 + 2 = 9$ twelfths. Answer: $\frac{9}{12}$.
- Choice D is correct.** (CC.2.1.4.C.2) We take 7 copies of $\frac{1}{5}$. Multiply: $7 \times \frac{1}{5} = \frac{7 \times 1}{5} = \frac{7}{5} = 1\frac{2}{5}$. The answer is **1 $\frac{2}{5}$** .
- Choice D is correct.** (CC.2.4.4.A.1) The longer bar (24 apples) is 4 equal pieces, each one orange-group's size. To find one piece, divide: $24 \div 4 = 6$ oranges.
- Choice A is correct.** (1.4.C) Multiply both the numerator and denominator by 50: $\frac{1}{2} = \frac{1 \times 50}{2 \times 50} = \frac{50}{100}$.
- Choice A is correct.** (CC.2.3.4.A.3) In angle notation $\angle YXZ$, the middle letter names the vertex. The middle letter is **X**.
- The correct answer is 36.** (CC.2.4.4.A.6) Split the straight angle equally into five parts: $180^\circ \div 5 = 36^\circ$.
- Choice B is correct.** (CC.2.1.4.C.2) Making 3 batches, each using $\frac{2}{5}$ cup of flour, means we multiply: $3 \times \frac{2}{5} = \frac{6}{5}$ cups.
- Choice A is correct.** (CC.2.1.4.C.1) Three friends share one sub. Step 1: Add Friends A and B: $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$. Step 2: Friend C eats what's left: $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$.
- Choice A is correct.** (CC.2.1.4.B.2) Long division: $1 \div 4 = 0$ r1, bring down the 7 to get $17 \div 4 = 4$ r1, bring down the 6 to get $16 \div 4 = 4$, bring down the 4 to get $4 \div 4 = 1$. The quotient is **441**.
- The correct answer is A, C.** (CC.2.1.4.C.2) A checkmark: three bars, each $\frac{1}{5}$, total $\frac{3}{5}$. C checkmark: three fifths reached by hops. B uses fourths (wrong). D and E show only one fifth (not three).
- Choice D is correct.** (CC.2.2.4.A.2) Circles in each figure: 1, 3, 6. The increases are +2, then +3. Next increase is +4: $6 + 4 = 10$ circles.
- Choice C is correct.** (CC.2.1.4.B.1) If the same digit is in the thousands place (worth digit $\times 1,000$) and the ones place (worth digit $\times 1$), the ratio is $1,000 \div 1 = 1,000$. \checkmark
- Choice A is correct.** (CC.2.1.4.C.3) The decimal 0.35 reads as "zero point thirty-five," which is named thirty-five hundredths.
- Choice B is correct.** (CC.2.2.4.A.2) From the diagram: length is 7 in and width is 3 in. Perimeter = $2(7) + 2(3) = 14 + 6 = 20$ in.
- Choice B is correct.** (CC.2.1.4.C.3) We can divide both the numerator and denominator by 10 to simplify: $\frac{40}{100} = \frac{4}{10}$.
- Choice A is correct.** (1.4.C) The visual models show the story: $\frac{3}{4}$'s circle is clearly more filled. Verify with twelfths: $\frac{3}{4} = \frac{9}{12}$ and $\frac{2}{3} = \frac{8}{12}$, so $\frac{3}{4} > \frac{2}{3}$.
- Choice A is correct.** (CC.2.1.4.C.1) The thick line splits the bar in two. Left side: $\frac{3}{10}$. Right side: $\frac{4}{10}$. Total: $3 + 4 = 7$, so $\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$. \checkmark .
- Choice D is correct.** (CC.2.2.4.A.1) Three steps! Step 1: total plants: $20 + 15 = 35$. Step 2: subtract the dead plants: $35 - 5 = 30$ plants. Step 3: multiply by fruit per plant: $30 \times 12 = 360$ fruits expected.
- Choice C is correct.** (CC.2.1.4.C.2) Each jump is $\frac{1}{3}$. Making 6 jumps is the same as $6 \times \frac{1}{3} = \frac{6}{3}$. Since 3 thirds make one whole, $\frac{6}{3}$ equals **2** wholes.
- Choice B is correct.** (CC.2.1.4.C.3) From the table: 6 tenths = 0.6 and 2 hundredths = 0.02. Add them: $0.6 + 0.02 = 0.62$.
- The correct answer is 8,000.** (CC.2.4.4.A.1) Since 1 kilometer = 1,000 meters, multiply: $8 \times 1,000 = 8,000$ m.



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Hi, Strong Climber!

◇ You climbed all 5 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

★ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ★

Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

Guide's tip: on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

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

Jay Daie

Your Math Trail Guide

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

Ideal for classroom use, homework, test preparation, and extra practice at home.

PERFECT FOR:

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

★ CONFIDENCE TODAY.
SUCCESS 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.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Master Key Concepts

Reinforce important skills aligned with grade-level standards.



Prepare for Success

Build the confidence needed to do your best on test day.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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5 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included

A+