

6 Pennsylvania PSSA

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 Pennsylvania PSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six 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!

Six steady rounds on the Keystone State math route

This book gives you six 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?

Six tests, 180 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 4–6	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 toy costs \$8. A game costs 4 times as much. How much does the game cost?

A. \$12

C. \$2

B. \$4

D. \$32

2) The space inside an angle is called:

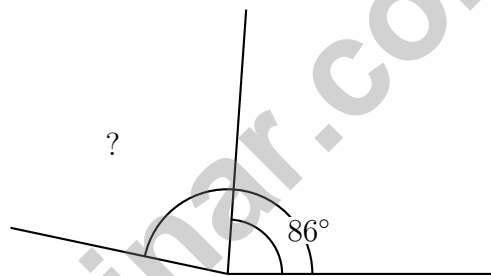
A. the exterior

C. the interior

B. the arc

D. the vertex

3) A surveyor measures a land angle of 168° . A tree is planted such that it divides the angle into 86° and another part. What is the measure of the other part?



A. 82°

C. 254°

B. 86°

D. 90°

4) Which is a multiple of $\frac{2}{8}$?

A. $\frac{4}{8}$

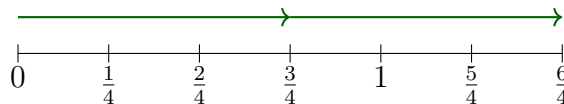
C. $\frac{5}{8}$

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

D. $\frac{1}{8}$



- 5) Which number is less than 54,200?
- A. 54,300 C. 55,200
 B. 54,200 D. 54,100
- 6) What is the correct way to order 0.91, 0.19, 0.99, and 0.11 from greatest to least?
- A. 0.99, 0.91, 0.19, 0.11 C. 0.11, 0.19, 0.91, 0.99
 B. 0.91, 0.99, 0.11, 0.19 D. 0.99, 0.91, 0.11, 0.19
- 7) A flower bed had $\frac{8}{12}$ of its space planted with roses. $\frac{3}{12}$ of the space was planted with tulips. How much of the flower bed was planted with roses or tulips?
- A. $\frac{5}{12}$ C. $\frac{11}{24}$
 B. $\frac{11}{12}$ D. $\frac{10}{12}$
- 8) A rectangle with unequal adjacent sides has how many lines of symmetry?
- A. 1 C. 3
 B. 2 D. 4
- 9) Which is a correct way to decompose $\frac{10}{12}$?
- A. $\frac{5}{12} + \frac{4}{12}$ C. $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$
 B. $\frac{4}{12} + \frac{7}{12}$ D. $\frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12}$
- 10) Use the number line to find $2 \times \frac{3}{4}$.

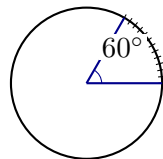


- A. $\frac{5}{4}$ C. $\frac{3}{4}$
 B. $\frac{6}{4}$ or $1\frac{1}{2}$ D. $\frac{8}{4}$ or 2



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- 11) Carter runs $\frac{3}{8}$ mile each morning. If he runs for 3 mornings, how far does he run in total?
- A. $\frac{3}{24}$ miles C. $\frac{6}{8}$ miles (or $\frac{3}{4}$ miles)
 B. $\frac{9}{8}$ miles (or $1\frac{1}{8}$ miles) D. $\frac{1}{8}$ mile
- 12) A juice stand makes 8 pitchers. Each pitcher has 9 cups. They sell 36 cups. How many cups are left?
- A. 28 C. 44
 B. 72 D. 36
- 13) In the number 7,654, how many times greater is the value of the 6 than the value of the 5?
- A. 10 times C. 12 times
 B. 100 times D. 1,000 times
- 14) Write $\frac{9}{10}$ as a fraction with denominator 100. Explain how you know your answer is correct.



15)

Mia's angle measures 60 degrees. How many one-degree angle units make up this angle?

- A. 6 units C. 60 units
 B. 30 units D. 120 units



- 1) If an angle has 38 one-degree angles, what is its measure?
- A. 38° C. 76°
 B. 19° D. 380°
- 2) A bakery makes 25 trays of cookies. Each tray holds 28 cookies. How many cookies are made?
- A. 600 cookies C. 750 cookies
 B. 800 cookies D. 700 cookies
- 3) Which fraction is equivalent to $\frac{4}{8}$?
- A. $\frac{1}{4}$ C. $\frac{3}{4}$
 B. $\frac{5}{8}$ D. $\frac{1}{2}$
- 4) Which expression equals 1?
- A. $\frac{2}{5} + \frac{2}{5}$ C. $\frac{5}{6} + \frac{1}{6}$
 B. $\frac{2}{3} + \frac{2}{3}$ D. $\frac{3}{4} + \frac{2}{4}$
- 5) Round 44,556 to the nearest ten thousand.
- A. 44,000 C. 45,000
 B. 50,000 D. 40,000
- 6) Diego has 6 toy cars. Chen has 4 times as many toy cars as Diego. How many more cars does Chen have than Diego?
- A. 10 C. 24
 B. 4 D. 18





5 bars, each $\frac{1}{3}$ yard

7)

Each bar above is $\frac{1}{3}$ yard. What is the total length of all 5 bars?

- A. $\frac{5}{3}$ yards (or $1\frac{2}{3}$ yards) C. $\frac{1}{3}$ yard
 B. $\frac{5}{15}$ yard D. 5 yards

8) Isabella baked $4\frac{1}{2}$ trays of cookies. She sold $1\frac{1}{2}$ trays. How many trays of cookies does she have left?

- A. $2\frac{1}{2}$ C. $3\frac{1}{2}$
 B. $5\frac{2}{2}$ D. $3\frac{2}{2}$

9) Look at the number line. Where is 0.45 located?



- A. At W C. Between X and Y
 B. Between W and X D. At Y

10) A 3 in the hundreds place is worth 300. A 3 in the tens place is worth 30. What is the difference?



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- 1) A school fundraiser collected \$17,890. Rounded to the nearest thousand dollars, about how much was collected?

- 2) Write $\frac{6}{10}$ as a decimal.

- A. 0.06 C. 6.0
 B. 0.6 D. 60.0

- 3) Count the multiples of 8 between 1 and 60 using the table:

8	16	24	32
40	48	56	next is 64

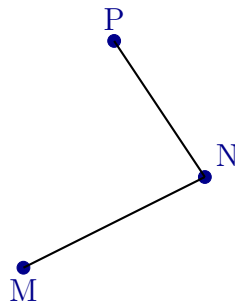
How many multiples of 8 are there up to 60?

- A. 6 C. 8
 B. 9 D. 7
- 4) What is $3,675 \div 9$ (with remainder)?
- A. 408 r3 C. 409 r4
 B. 407 r2 D. 408 r6



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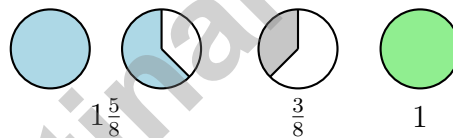
5) Which points are the endpoints of segment MN in this diagram?



- A. M and N
- B. N and P
- C. M and P
- D. All three points

6) Which place does a digit occupy if its value is 30?

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



7)

What is the sum of the three amounts shown?

- A. $2\frac{7}{8}$
- B. $3\frac{1}{8}$
- C. $3\frac{3}{8}$
- D. 3

8) Jada has 3 stickers. Her brother has 5 times as many stickers. How many stickers does her brother have?

- A. 8
- B. 35
- C. 18
- D. 15



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 D is correct.** [CC.2.4.4.A.4](#) “4 times as much” means multiply. The game costs $\$8 \times 4 = \32 .
- Choice C is correct.** [CC.2.3.4.A.3](#) The interior of an angle is the space inside, between the two rays.
- Choice A is correct.** [CC.2.4.4.A.6](#) The tree divides the angle into two parts. Subtract to find the other: $168^\circ - 86^\circ = 82^\circ$.
- Choice A is correct.** [CC.2.1.4.C.2](#) Since $\frac{4}{8} = 2 \times \frac{2}{8}$, it’s a multiple of $\frac{2}{8}$.
- Choice D is correct.** [CC.2.1.4.B.1](#) The thousands digits match, so compare the hundreds place: $100 < 200$, therefore $54,100 < 54,200$ ✓
- Choice A is correct.** [CC.2.1.4.C.3](#) Start with tenths: $9 > 1$. Among the two with tenths = 9, compare hundredths: $9 > 1$, so $0.99 > 0.91$. Among the two with tenths = 1, compare hundredths: $9 > 1$, so $0.19 > 0.11$.
- Choice B is correct.** [CC.2.1.4.C.1](#) The flower bed has two types of flowers. Add the parts with like denominators: $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$ of the flower bed was planted.
- Choice B is correct.** [CC.2.3.4.A.3](#) A non-square rectangle is longer in one direction. Two fold lines balance it—one vertical through the middle and one horizontal through the middle. The answer is **2** lines of symmetry.
- Choice D is correct.** [CC.2.1.4.C.1](#) Option D has five pieces: $\frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12}$. Count: $2 + 2 + 2 + 2 + 2 = 10$, so we get $\frac{10}{12}$ ✓.
- Choice B is correct.** [CC.2.1.4.C.2](#) On the number line, we make 2 jumps of $\frac{3}{4}$ each, landing at $\frac{6}{4} = 1\frac{1}{2}$. So $2 \times \frac{3}{4} = 1\frac{1}{2}$. The answer is $1\frac{1}{2}$.
- Choice B is correct.** [CC.2.1.4.C.2](#) Carter runs $\frac{3}{8}$ mile each morning for 3 mornings. We multiply: $3 \times \frac{3}{8} = \frac{9}{8}$ miles.
- Choice D is correct.** [CC.2.2.4.A.1](#) Two steps! Step 1: find the total cups: 8 pitchers \times 9 cups = 72 cups. Step 2: take away the cups sold: $72 - 36 = 36$ cups left.
- Choice C is correct.** [CC.2.1.4.B.1](#) Step 1: name the values. In 7,654, the 6 sits in the hundreds place (worth $6 \times 100 = 600$); the 5 sits in the tens place (worth $5 \times 10 = 50$). Step 2: compare with division: $600 \div 50 = 12$. So the 6’s value is **12** times the 5’s value. *Note:* the digits are different here, so the answer isn’t just a power of 10. ✓
- The correct answer is $\frac{90}{100}$.** [CC.2.1.4.C.3](#) Place-value reasoning: 1 tenth equals 10 hundredths, so 9 tenths equals $9 \times 10 = 90$ hundredths. Written as fractions: $\frac{9}{10} = \frac{9 \times 10}{10 \times 10} = \frac{90}{100}$. To check, both fractions name the same shaded region on a 10×10 grid (each $\frac{1}{10}$ column equals 10 of the $\frac{1}{100}$ squares). ✓
- Choice C is correct.** [CC.2.3.4.A.3](#) Mia’s angle of 60° is composed of **60** one-degree angle units.
- The correct answer is A, B.** [CC.2.4.4.A.1](#) A is correct: $3 \times 4 = 12$ dollars. B is correct: $3 - 1 = 2$ gallons remain. C is wrong: that’s addition, not multiplication. D is wrong because the cost is \$4 per gallon. E is wrong because using half of 3 gallons leaves $1\frac{1}{2}$ gallons, not 2 gallons.
- Choice D is correct.** [CC.2.2.4.A.2](#) Factors are numbers that divide evenly with no remainder. Walk through the factor pairs: 1×12 , 2×6 , 3×4 . Listing every factor: 1, 2, 3, 4, 6, 12. *Tip:* pair them up as you go—it makes sure you don’t miss any!
- Choice B is correct.** [CC.2.1.4.C.1](#) The pie chart shows three slices: yellow ($\frac{3}{12}$), orange ($\frac{4}{12}$), and red ($\frac{5}{12}$). Add them all: $3 + 4 + 5 = 12$ twelfths = **1** whole pie.
- Choice A is correct.** [4.4.A.4](#) Count the heights: $\frac{1}{4}$ in appears 3 times (the mode!), $\frac{2}{4}$ in appears 2 times, and $\frac{3}{4}$ in appears 1 time. So $\frac{1}{4}$ in is most common.
- Choice D is correct.** [CC.2.1.4.C.1](#) Add the wholes: $3 + 2 = 5$. Add the fractions: $\frac{1}{5} + \frac{4}{5} = \frac{5}{5} = 1$. Combine: $5 + 1 = 6$.
- The correct answer is 864.** [CC.2.1.4.B.2](#) Use long division: $3 \div 4 = 0$ r3, bring down the 4 to get $34 \div 4 = 8$ r2, bring down the 5 to get $25 \div 4 = 6$ r1, bring down the 6 to get $16 \div 4 = 4$. Each friend reads **864** pages.
- Choice B is correct.** [CC.2.4.4.A.1](#) Since 1 pint = 16 fluid ounces, multiply: $2 \times 16 = 32$ fl oz. The answer is **32** fl oz.
- Choice B is correct.** [3.4.A.2](#) A trapezoid is defined by having exactly one pair of parallel sides. Since parallelograms, rectangles, and rhombuses each have two pairs of parallel sides, they cannot be trapezoids. The answer is **B**.



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★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!
★

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- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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

Jay Daie

Your Math Coach

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

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