

4

Pennsylvania



PSSA



GRADE 4

MATH

PRACTICE TESTS


 5 FULL-LENGTH PRACTICE TESTS

 STANDARDS-ALIGNED REVIEW

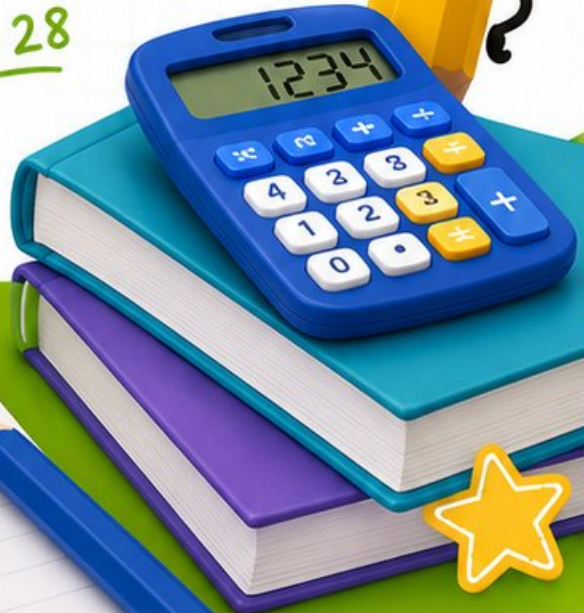
 MIXED PRACTICE QUESTIONS

 ANSWER KEY INCLUDED

★ Standards-Aligned Review with Mixed Practice and Answer Key ★

 $4 \times 7 = 28$

$36 \div 9 = 4$



4 Pennsylvania PSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Welcome, Pennsylvania Math Explorer!

Four steady rounds on the Keystone State math route

This book gives you four 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	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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For more practice
& answers

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- 1) A garden bed requires $\frac{2}{3}$ bag of soil. How many bags are needed for 6 garden beds?
- A. $\frac{6}{3}$ bags (or 2 bags) C. $\frac{12}{3}$ bags (or 4 bags)
 B. $\frac{2}{18}$ bag D. $\frac{6}{9}$ bag
- 2) Round 56,841 to the nearest thousand.
- A. 56,000 C. 56,800
 B. 60,000 D. 57,000
- 3) Sam has 24 stickers. He sorts them into 4 equal groups and keeps one group. Then he gets 8 more stickers. How many stickers does he have now?
- A. 20 C. 12
 B. 16 D. 14
- 4) A baker makes cookies and sells them at \$2 each. If she sells 18 cookies, how much money does she earn?
- A. \$16 C. \$36
 B. \$20 D. \$40
- 5) Sam found a mistake in his work. He wrote: $2 \times \frac{3}{5} = \frac{2}{3}$. What is the correct answer?
- A. $\frac{2}{3}$ C. $\frac{6}{5}$ or $1\frac{1}{5}$
 B. $\frac{5}{6}$ D. $\frac{2}{15}$



6) A pattern rule is “multiply by 3 then subtract 2.” If the input is 5, what is the output?

A. 10

C. 15

B. 17

D. 13

7) Give one decimal greater than 0.5 and less than 0.8.

8) Add: $6,234 + 3,456 = ?$

9) In the number 7,846, what digit is in the tens place?

A. 7

C. 4

B. 8

D. 6

10) A swimming pool holds 5,000 liters of water. How many milliliters is this?

A. 500,000

C. 50,000,000

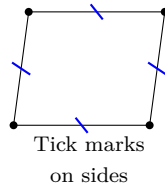
B. 5,000,000

D. 500,000,000

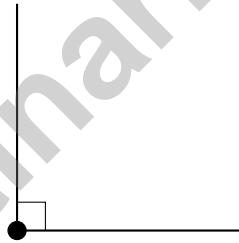


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- 11) Look at the shape with tick marks on the sides. Which attribute do the tick marks show?



- A. Parallel sides
- B. Right angles
- C. Equal sides
- D. Perpendicular sides
- 12) Which number is divisible by 5?
- A. 84
- B. 91
- C. 105
- D. 113
- 13) Which of these angles is a right angle?



- A. No, it is acute
- B. Yes, it has a small opening
- C. Yes, it has a square corner
- D. No, it is straight
- 14) A rectangle has a perimeter of 42 inches. The length is 12 inches. What is the width?
- A. 6 in
- B. 9 in
- C. 8 in
- D. 18 in



1) The space outside an angle is called:

- A. the interior C. the vertex
 B. the exterior D. a side

2) A track is divided into 10 equal sections. A runner has completed $\frac{7}{10}$ of the track. What decimal shows this progress?

- A. 0.07 C. 7.0
 B. 0.7 D. 0.017

3) Ava reads 8 pages a day for 12 days. Noah reads 10 pages a day for 9 days. How many more pages does Ava read than Noah?

- A. 2 pages C. 26 pages
 B. 18 pages D. 6 pages

4) Which area model shows 23×14 ?

A.

20	3
10	4

B.

20	4
10	4

C.

20	3
10	6

D.

20	3
10	5



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5) Here is a line plot with measurements in fourths:



What is the range (difference between highest and lowest values) on this line plot?

- A. $\frac{1}{4}$
 C. $\frac{3}{4}$
 B. $\frac{2}{4}$
 D. 1
- 6) In the number 906,234, which digit is in the hundred-thousands place?
- A. 2
 C. 6
 B. 0
 D. 9
- 7) Which expression shows $\frac{3}{5}$ as a sum of unit fractions?
- A. $\frac{1}{5} + \frac{1}{5}$
 C. $\frac{3}{5} + \frac{3}{5} + \frac{3}{5}$
 B. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5}$
 D. $\frac{3}{5}$
- 8) A toy car travels $\frac{2}{10}$ meter in one roll. How far does it travel in 7 rolls?
- A. $\frac{2}{70}$ meter
 C. $\frac{7}{10}$ meter
 B. $\frac{14}{10}$ meters (or $1\frac{2}{5}$ meters)
 D. $\frac{14}{70}$ meter
- 9) A park has 5 oak trees. This is 5 times as many as the number of maple trees. How many maple trees does the park have?
- A. 25
 C. 10
 B. 5
 D. 1



6) A fountain holds 20 gallons of water. How many quarts is this?

A. 5

C. 80

B. 40

D. 160

7) A factory produces 46 widgets per hour. If the factory runs for 12 hours, how many widgets are produced?

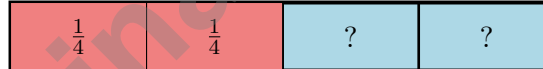
A. 552 widgets

C. 485 widgets

B. 598 widgets

D. 621 widgets

8) In the number 8,888, the digit in the thousands place is how many times the value of the digit in the ones place?



9)

One whole (4 fourths)

The bar shows $\frac{2}{4}$ is shaded. If you have 3 such bars, how much is shaded in total?

A. $\frac{6}{4}$ (or $1\frac{1}{2}$)

C. $\frac{3}{4}$

B. $\frac{2}{12}$

D. $\frac{5}{4}$



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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 C is correct.** **(CC.2.1.4.C.2)** Six garden beds, each needing $\frac{2}{3}$ bag of soil, need $6 \times \frac{2}{3} = \frac{12}{3} = 4$ bags total.
- Choice D is correct.** **(1.4.B.1)** We're rounding to the nearest thousand. Look at the hundreds digit: 8. Since $8 \geq 5$, we round UP! The thousands digit changes from 6 to 7, so the answer is **57,000**. ✓
- Choice D is correct.** **(CC.2.2.4.A.1)** Two steps! Step 1: equal groups means divide. $24 \div 4 = 6$ stickers in the group Sam keeps. Step 2: add the new stickers: $6 + 8 = 14$ stickers now.
- Choice C is correct.** **(CC.2.4.4.A.1)** Cookies sell for \$2 each. She sells 18 cookies, so multiply: $2 \times 18 = 36$ dollars. She earns **\$36**.
- Choice C is correct.** **(CC.2.1.4.C.2)** Sam made an error. The correct multiplication is $2 \times \frac{3}{5} = \frac{2 \times 3}{5} = \frac{6}{5} = 1\frac{1}{5}$. The answer is $1\frac{1}{5}$.
- Choice D is correct.** **(CC.2.2.4.A.2)** Apply "multiply by 3 then subtract 2" to input 5: Step 1: $5 \times 3 = 15$. Step 2: $15 - 2 = 13$.
- The correct answer is 0.6.** **(CC.2.1.4.C.3)** Any decimal between 0.5 and 0.8 (not including the endpoints) works. For example, **0.6** has 6 tenths, which is more than 0.5's 5 tenths and less than 0.8's 8 tenths. So $0.5 < 0.6 < 0.8$. ✓ Other valid answers: 0.51, 0.55, 0.7, 0.79, etc.
- The correct answer is 9,690.** **(1.4.B.1)** Add from right to left: ones $4 + 6 = 10$ (write 0, carry 1), tens $3 + 5 + 1 = 9$, hundreds $2 + 4 = 6$, thousands $6 + 3 = 9$. The sum is **9,690**.
- Choice C is correct.** **(CC.2.1.4.B.1)** From right to left: ones, then tens. In 7,846, the tens digit is **4** ✓
- Choice B is correct.** **(CC.2.4.4.A.1)** Since 1 liter = 1,000 milliliters, multiply: $5,000 \times 1,000 = 5,000,000$ mL. The answer is **5,000,000** mL.
- Choice C is correct.** **(3.4.A.2)** Tick marks on the sides of a figure indicate which sides have equal length. Sides marked with the same number or style of tick marks are equal to each other. The answer is **C**.
- Choice C is correct.** **(CC.2.2.4.A.2)** Divisibility rule for 5: the last digit must be 0 or 5. 105 ends in 5—yes! So $105 \div 5 = 21$. The others end in 4, 1, 3—none of which are 0 or 5.
- Choice C is correct.** **(CC.2.3.4.A.3)** A right angle has a perfect square corner, like the corner of a piece of paper.
- Choice B is correct.** **(CC.2.2.4.A.2)** Using $P = 2\ell + 2w = 42$ with $\ell = 12$: $2(12) + 2w = 42$. Simplify: $24 + 2w = 42$, so $2w = 18$, thus $w = 9$ in.
- Choice C is correct.** **(CC.2.1.4.C.2)** One whole is $\frac{3}{3}$, which equals $3 \times \frac{1}{3}$. So there are **3** thirds in one whole.
- Choice A is correct.** **(CC.2.1.4.C.1)** Both pieces are used out of 2 equal pieces, which is $\frac{2}{2}$. As a sum of unit fractions: $\frac{1}{2} + \frac{1}{2}$.
- Choice A is correct.** **(CC.2.1.4.B.2)** Divide: $2 \div 7 = 0$ r2, bring down the 8 to get $28 \div 7 = 4$, bring down the 4 to get $4 \div 7 = 0$ r4, bring down the 9 to get $49 \div 7 = 7$. The answer is **407**.
- The correct answer is A, C.** **(CC.2.4.4.A.6)** B is wrong (straight angles can be divided). D is wrong (smaller angles combine to form a right angle). E is wrong ($120^\circ \div 3 = 40^\circ$, not 30°).
- Choice A is correct.** **(CC.2.4.4.A.6)** The ray points to the 145° mark, which is between the 135° and 150° benchmarks. Since 145° is between 90° and 180° , it's obtuse. The answer is **145** degrees.
- Choice B is correct.** **(CC.2.3.4.A.3)** If an angle turns through n one-degree angles, it measures n degrees, so 45 one-degree angles equal **45°** .
- Choice C is correct.** **(CC.2.1.4.C.1)** Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{3}{10} + \frac{5}{10} = \frac{8}{10}$. The sum is **$3\frac{8}{10}$** .
- Choice D is correct.** **(CC.2.4.4.A.4)** To find "how many times," divide the larger group by the smaller: $8 \div 2 = 4$. So Group B has **4** times as many counters as Group A.
- Choice A is correct.** **(CC.2.1.4.C.1)** Option A shows two decompositions: $\frac{2}{10} + \frac{6}{10}$ and $\frac{4}{10} + \frac{4}{10}$. Check: $2 + 6 = 8$ and $4 + 4 = 8$. Both equal $\frac{8}{10}$. ✓
- Choice B is correct.** **(1.4.C)** Use $\frac{1}{2}$ as a benchmark: $\frac{3}{10} < \frac{1}{2}$ (only 3 out of 10 parts) but $\frac{4}{5} > \frac{1}{2}$ (four fifths is more than half). The benchmark separates them!
- Choice B is correct.** **(CC.2.1.4.C.1)** Starting at 0, the first hop goes right by $\frac{3}{4}$. The second hop adds $\frac{1}{4}$ more, landing exactly at 1. That's $\frac{3}{4} + \frac{1}{4} = 1$.



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Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 4 tests is like 4 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

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

PERFECT FOR:

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

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SUCCESS TOMORROW!**

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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.



Prepare for Success

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

TOPICS COVERED

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- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
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