

3

Pennsylvania

PSSA

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

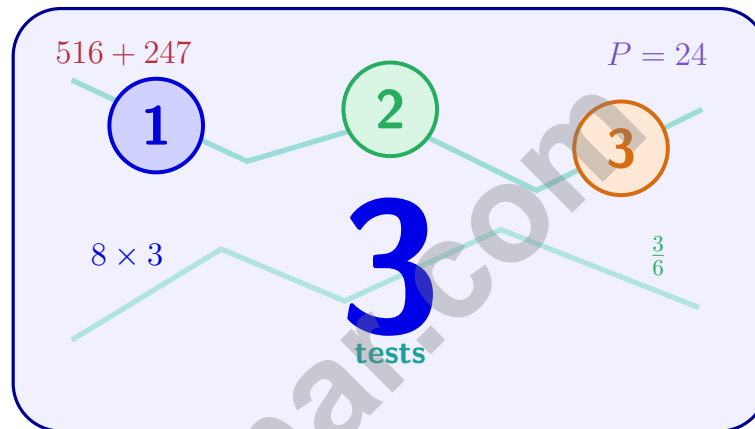
$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 Pennsylvania PSSA Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Pennsylvania PSSA strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Pennsylvania Math Explorer!

Three steady rounds on the Keystone State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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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6) Diego needs to divide 1,625 into 5 equal groups. What is the result?

A. 315

C. 335

B. 305

D. 325

7) Ava read $\frac{4}{5}$ of her book on Monday and $\frac{1}{5}$ on Tuesday. What fraction of the book did she read in both days?

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

C. $\frac{4}{10}$

B. $\frac{3}{5}$

D. $\frac{6}{10}$

8) Write the numeral for “three hundred nineteen thousand, five hundred two”.

9) A bag of sugar weighs 2 kilograms. How many grams is this?

A. 20

C. 2,000

B. 200

D. 20,000

10) Noah has 7 crayons. His sister has 2 times as many crayons as Noah. How many crayons does his sister have?

A. 9

C. 16

B. 21

D. 14



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11) What is $\frac{6}{10} + \frac{20}{100}$?

A. $\frac{26}{100}$

B. $\frac{80}{100}$

C. $\frac{26}{110}$

D. $\frac{62}{100}$

12) Zara read $3\frac{2}{5}$ pages in the morning and $2\frac{3}{5}$ pages in the afternoon. What is the total number of pages she read?

A. $5\frac{4}{5}$ pages

B. $5\frac{5}{5}$ pages

C. 6 pages

D. $6\frac{1}{5}$ pages

13) Is 41 prime or composite?

A. Both

B. Composite

C. Neither

D. Prime

14) Which does NOT correctly decompose $\frac{8}{10}$?

A. $\frac{4}{10} + \frac{4}{10}$

B. $\frac{3}{10} + \frac{5}{10}$

C. $\frac{2}{10} + \frac{5}{10}$

D. $\frac{1}{10} + \frac{7}{10}$

15) In the number 5,391, what digit is in the tens place?

16) Select the **TWO** correct answers.

Which multiplication sentences are true?

A. $3 \times \frac{1}{4} = \frac{3}{4}$

B. $4 \times \frac{1}{3} = \frac{4}{12}$

C. $5 \times \frac{1}{5} = \frac{5}{10}$

D. $2 \times \frac{1}{10} = \frac{2}{20}$

E. $7 \times \frac{1}{9} = \frac{7}{9}$



1) Find $6\frac{5}{8} - 3\frac{7}{8}$.

2) A quadrilateral has two pairs of opposite sides that are equal and parallel. Is this figure a rectangle?

- A. Yes, always
 B. No, never

- C. Only if it has right angles
 D. Only if all four sides are equal

3) What is $6 \times \frac{1}{8}$?

- A. $\frac{1}{48}$
 B. $\frac{8}{6}$

- C. $\frac{6}{8}$ or $\frac{3}{4}$
 D. $\frac{6}{1}$

4) Which ordering is correct?

- A. $\frac{4}{5} > \frac{4}{6} > \frac{4}{8}$
 B. $\frac{4}{8} > \frac{4}{6} > \frac{4}{5}$

- C. $\frac{4}{5} = \frac{4}{6} = \frac{4}{8}$
 D. $\frac{4}{6} > \frac{4}{5} > \frac{4}{8}$

5) Look at the base-ten model below. What number does it represent?



- A. 6,142
 B. 4,612

- C. 1,462
 D. 4,162



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6) Which is NOT a geometric figure mentioned in points, lines, and rays?

A. A point

B. A line

C. A ray

D. A circle

7) What is $3,564 \div 6$?

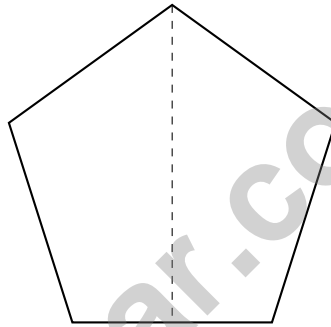
A. 594

B. 604

C. 614

D. 584

8) A regular pentagon has 5 sides. How many lines of symmetry does it have?



A. 0

B. 2

C. 3

D. 5

9) Find $5 \times \frac{1}{8}$.



1) What is $\frac{9}{10} + \frac{1}{10}$?



$\frac{9}{10}$ (light red) + $\frac{1}{10}$ (dark red)

- A. $\frac{10}{10}$ or 1
 C. $\frac{8}{10}$
- B. $\frac{10}{20}$
 D. $\frac{1}{10}$
- 2) In the number 7,777, the digit 7 in the thousands place is how many times the value of the digit 7 in the ones place?
- A. 10
 C. 1,000
- B. 100
 D. 10,000
- 3) What number is equal to $30,000 + 6,000 + 500 + 20 + 8$?
- A. 36,285
 C. 36,258
- B. 36,582
 D. 36,528
- 4) Which number sentence is correct?
- A. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{12}$
 C. $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{3}{9}$
- B. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$
 D. $\frac{1}{6} + \frac{1}{6} = \frac{2}{12}$
- 5) Which fraction equals $7 \times \frac{1}{3}$?
- A. $\frac{3}{7}$
 C. $\frac{1}{21}$
- B. $\frac{7}{3}$ or $2\frac{1}{3}$
 D. $\frac{7}{7}$



- 6) 

Finn has 4 toy trucks. Owen has 2 times as many toy trucks as Finn. How many toy trucks does Owen have?

- A. 6 C. 12
 B. 16 D. 8
- 7) A school cafeteria serves lunch to 6 grades. Each grade has 35 students. How many students get lunch?
- A. 210 C. 240
 B. 180 D. 270
- 8) If an angle turns through 85 one-degree angles, what is its measure?
- A. 8.5° C. 170°
 B. 85° D. 850°
- 9) Sarah counted eight hops of $\frac{1}{12}$ on a number line. What fraction did she reach?



- A. $\frac{1}{12}$ C. $\frac{8}{12}$
 B. $\frac{8}{1}$ D. $\frac{4}{12}$



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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.** (CC.2.3.4.A.3) The angle extends to the 40° mark, so it measures 40° .
- Choice C is correct.** (CC.2.1.4.C.2) We take 5 copies of $\frac{1}{6}$ and add them together. Multiply the whole number by the numerator: $5 \times \frac{1}{6} = \frac{5 \times 1}{6} = \frac{5}{6}$. The answer is $\frac{5}{6}$.
- Choice C is correct.** (4.4.A.4) Add up all the X marks at each position: $2 + 4 + 1 = 7$ X marks in total.
- Choice B is correct.** (CC.2.4.4.A.6) A right angle is a special angle that measures exactly 90° every time—no more, no less. You see right angles at the corners of books, windows, doors, and many shapes we use every day. The answer is 90 degrees.
- Choice D is correct.** (1.4.B.1) Add from right to left: ones $6 + 4 = 10$ (carry 1), tens $7 + 3 + 1 = 11$ (carry 1), hundreds $8 + 2 + 1 = 11$ (carry 1), thousands $9 + 0 + 1 = 10$ (carry 1). The sum is **40,110**.
- Choice D is correct.** (CC.2.1.4.B.2) Use long division: $16 \div 5 = 3$ r1, bring down the 2 to get $12 \div 5 = 2$ r2, bring down the 5 to get $25 \div 5 = 5$. The result is **325**.
- Choice A is correct.** (CC.2.1.4.C.1) Ava read parts on two different days. Add the fractions: $\frac{4}{5} + \frac{1}{5} = \frac{5}{5}$, which means she read the whole book!
- The correct answer is 319,502.** (CC.2.1.4.B.1) Thousands: $319 \rightarrow 319,000$. Ones: $502 \rightarrow 502$. Combined: $319,000 + 502 = 319,502$ ✓
- Choice C is correct.** (CC.2.4.4.A.1) Since 1 kilogram = 1,000 grams, multiply: $2 \times 1,000 = 2,000$ g. The answer is **2,000** g.
- Choice D is correct.** (CC.2.4.4.A.1) “2 times as many” is a multiplication clue. Noah’s sister has 2 groups of 7 crayons: $2 \times 7 = 14$ crayons.
- Choice B is correct.** (CC.2.1.4.C.3) First, convert $\frac{6}{10}$ to hundredths: $\frac{6}{10} = \frac{60}{100}$. Then add: $\frac{60}{100} + \frac{20}{100} = \frac{80}{100}$.
- Choice C is correct.** (CC.2.1.4.C.1) Add the wholes: $3 + 2 = 5$. Add the fractions: $\frac{2}{5} + \frac{3}{5} = \frac{5}{5} = 1$. Combine: $5 + 1 = 6$ pages.
- Choice D is correct.** (CC.2.2.4.A.2) Try the small primes: $41 \div 2$? No (odd). $\div 3$? $4 + 1 = 5$, not a multiple of 3. $\div 5$? No (ends in 1). $\div 7$? $7 \times 6 = 42$, too big. So 41’s only factors are 1 and 41—**prime**.
- Choice C is correct.** (CC.2.1.4.C.1) Option C: $2 + 5 = 7$, so $\frac{2}{10} + \frac{5}{10} = \frac{7}{10}$, not $\frac{8}{10}$. The answer is C ✓.
- The correct answer is 9.** (CC.2.1.4.B.1) Count from the right: ones, tens, hundreds, thousands. The tens place is the second digit from the right, which is **9**. ✓
- The correct answer is A, E.** (CC.2.1.4.C.2) A: $3 \times \frac{1}{4} = \frac{3}{4}$ ✓. B: $4 \times \frac{1}{3}$ should give $\frac{4}{3}$, not $\frac{4}{12}$. C: $5 \times \frac{1}{5}$ equals 1, not $\frac{5}{10}$. D: $2 \times \frac{1}{10}$ gives $\frac{2}{10}$, not $\frac{20}{10}$. E: $7 \times \frac{1}{9} = \frac{7}{9}$ ✓.
- Choice D is correct.** (CC.2.2.4.A.1) Three steps! Step 1: deer total: $6 \times 12 = 72$. Step 2: rabbit total: $7 \times 12 = 84$. Step 3: add for grand total: $72 + 84 = 156$ animals.
- Choice A is correct.** (CC.2.1.4.C.1) Mia jogged two sections: $\frac{3}{8}$ and then $\frac{4}{8}$ more. Combining same-size eighths: $3 + 4 = 7$, so $\frac{7}{8}$ mile.
- Choice B is correct.** (CC.2.4.4.A.6) A right angle is 90° . Subtract the known part: $90^\circ - 35^\circ = 55^\circ$.
- Choice B is correct.** (CC.2.1.4.C.3) Both pictures display the same amount: 3 tenths or 30 hundredths. So $\frac{3}{10} = \frac{30}{100} = 0.30 = 0.3$.
- Choice C is correct.** (CC.2.2.4.A.2) From $88 = \ell \times 8$: Divide to get $\ell = 88 \div 8 = 11$ m.
- Choice C is correct.** (CC.2.1.4.C.2) Noah skips in eighths: $\frac{1}{8}, \frac{2}{8}, \frac{3}{8}$. After 3 skips, he’s at $\frac{3}{8}$.
- Choice B is correct.** (CC.2.1.4.C.1) Six unit fractions of $\frac{1}{6}$ make $\frac{6}{6}$, which is one whole. Count: 6 ones make 6 in the numerator.
- Choice B is correct.** (CC.2.1.4.C.2) Five pencils, each $\frac{2}{5}$ decimeter long, give us $5 \times \frac{2}{5} = \frac{10}{5} = 2$ decimeters total.
- Choice D is correct.** (CC.2.4.4.A.4) “8 times as many” is a multiplication signal. Make 8 groups of the 4 basketballs: $4 \times 8 = 32$ tennis balls.
- The correct answer is 645.** (CC.2.1.4.B.2) Identify the multiplication: 15 rows with 43 plants each. Calculate: $15 \times 43 = 15 \times (40 + 3) = 600 + 45 = 645$ plants.



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Hi, Math Pilot!

◇ 3 flights done in your math airplane. You have flown through smooth skies and bumpy clouds. You are a real pilot now. ◇

★ **Pilots know:** a good check before takeoff makes a smooth flight. Before each problem, do your check: read, plan, solve, verify. ★

Pilot Skills

- **Pre-Flight:** You read the question carefully.
- **Steering:** You pick the right strategy.
- **Smooth Flight:** You stay calm in long tests.
- **Landing:** You always check your final answer.

Pilot tip: on test day, take off one problem at a time. Trust your training. You earned your wings!

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

Jay Daie

Your Math Pilot

PRACTICE TODAY. SUCCEED TOMORROW!

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

With 3 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
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- ✓ Confidence Building

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SUCCESS TOMORROW!

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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.



Prepare for Success

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

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- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
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