

9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

Kansas KAP

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 Kansas KAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 4 practice rounds for KAP, built around wide skies, sunflower rows, and careful place-value checks, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Kansas Math Explorer!

Nine steady rounds on the Sunflower State math route

This book gives you nine full Grade 4 practice tests for KAP. Each round uses wide skies, sunflower rows, and careful place-value checks to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Kansas 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 Kansas KAP 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 Sunflower 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 KAP 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

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	26
★ Practice Test 3	_____	38
★ Practice Test 4	_____	49
★ Practice Test 5	_____	60
★ Practice Test 6	_____	71
★ Practice Test 7	_____	82
★ Practice Test 8	_____	93
★ Practice Test 9	_____	104
Practice Test Answer Keys	_____	115
Practice Test Answers and Explanations	_____	121

6) A farmer has 23,456 kg of grain. He uses 5,678 kg. How much grain is left?

- A. 17,778 kg C. 18,778 kg
 B. 17,878 kg D. 17,678 kg



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

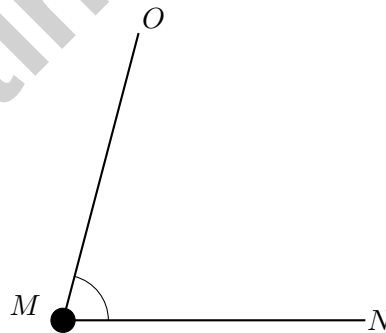
7)

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) A library has 13 shelves. Each shelf holds 64 books. How many books are on these shelves?

- A. 832 books C. 845 books
 B. 778 books D. 912 books



9)

The angle $\angle NMO$ is shown. How would you name this angle differently?

- A. $\angle NOM$ C. $\angle OMN$
 B. $\angle ONM$ D. $\angle MOM$



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1) If you turn $\frac{1}{6}$ of the way around a circle, how many degrees do you turn?

A. 60°

C. 120°

B. 90°

D. 180°

2) A recipe needs 32 ounces of milk. The baker has 50 ounces. After making the recipe, how many ounces are left?

3) Which is equivalent to $\frac{9}{10}$?

A. $\frac{9}{100}$

C. $\frac{90}{100}$

B. $\frac{19}{100}$

D. $\frac{99}{100}$

4) In the number 4,567, what is the value of the digit 4?

A. 4

C. 400

B. 40

D. 4,000

5) Ava has read $\frac{7}{10}$ of her book. She read $\frac{3}{10}$ on Monday and the rest on Tuesday. How much did she read on Tuesday?

A. $\frac{2}{10}$

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

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

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



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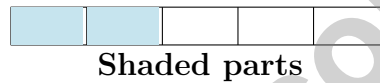
6) In the number 3,456, the digit 5 is in which place?

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

7) A student folds a piece of paper creating a crease. The angle on one side of the crease is 67° . If the total angle formed is 134° , what is the angle on the other side?

- A. 67° C. 201°
 B. 68° D. 134°

8) Look at the fraction bar divided into 5 equal parts. How many unit fractions of $\frac{1}{5}$ are shaded?



- A. 2 unit fractions C. 4 unit fractions
 B. 3 unit fractions D. 5 unit fractions

9) Which shows a multiple of $\frac{2}{3}$?

- A. $\frac{2}{6}$ C. $\frac{4}{3}$
 B. $\frac{4}{9}$ D. $\frac{5}{6}$

10) Which shape can be described as having four equal sides, two pairs of parallel sides, and four right angles?

- A. Trapezoid C. Square
 B. Rhombus D. Rectangle



- 1) Emma starts reading at 1:20 p.m. and finishes at 2:35 p.m. How many minutes did she read?

- 2) What are the factors of 15?

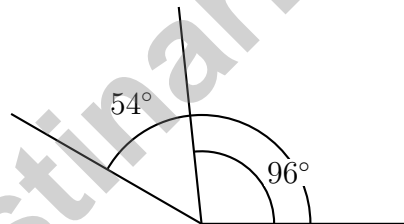
A. 1, 3, 5, 9, 15

C. 3, 5, 15

B. 1, 5, 15

D. 1, 3, 5, 15

- 3) A fountain has a water spray. The spray sweeps through an angle of 96° in the first second, then 54° in the next second. What is the total angle swept?



A. 42°

C. 96°

B. 150°

D. 180°



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.** (4.OA.4) Check the rule: $1 \times 5 = 5$, $2 \times 5 = 10$, $3 \times 5 = 15$, $4 \times 5 = 20$. The rule is “multiply by 5”. ✓
- Choice C is correct.** (4.G.3) A regular octagon (8 equal sides) is balanced in eight ways. Lines can pass through opposite corners or through the middle of opposite sides—each creates matching halves. The answer is **8** lines of symmetry.
- Choice B is correct.** (4.NF.5) Both fractions represent the same amount—one-half. We can write it as $\frac{50}{100} = \frac{5}{10}$.
- Choice C is correct.** (4.NF.4) We take 6 copies of $\frac{2}{3}$. Multiply: $6 \times \frac{2}{3} = \frac{6 \times 2}{3} = \frac{12}{3} = 4$. The answer is **4**.
- Choice B is correct.** (4.MD.1) Since 1 liter = 1,000 milliliters, multiply: $3 \times 1,000 = 3,000$ mL. The answer is **3,000** mL.
- Choice A is correct.** (4.NBT.4) The farmer uses some grain, so we subtract. $23,456 - 5,678 = 17,778$ kg left.
- Choice A is correct.** (4.NF.4) All 5 bars, each $\frac{1}{3}$ yard long, have a total length of $5 \times \frac{1}{3} = \frac{5}{3}$ yards.
- Choice A is correct.** (4.NBT.5) Multiply by parts: $13 \times (60 + 4) = 780 + 52 = 832$ books.
- Choice C is correct.** (4.G.1) An angle can be named in reverse order, but the vertex must stay in the middle. Since M is the vertex, $\angle NMO$ and $\angle OMN$ name the same angle.
- Choice D is correct.** (4.OA.4) A multiple of 7 is what you get from $7 \times$ a whole number. Since $7 \times 7 = 49$, that makes 49 a multiple of 7. The others don't fit: $45 = 5 \times 9$, $52 = 4 \times 13$, $60 = 6 \times 10$.
- Choice B is correct.** (4.MD.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 A is correct.** (4.NF.4) Six parts, each one $\frac{1}{9}$: $6 \times \frac{1}{9} = \frac{6}{9}$.
- Choice D is correct.** (4.NBT.3) We're rounding to the nearest thousand. Look at the hundreds digit: 7. Since $7 \geq 5$, we round UP! The thousands digit changes from 8 to 9, giving us **99,000**. ✓
- Choice A is correct.** (4.NF.3) Add the wholes: $2 + 1 = 3$. Add the fractions: $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$. The sum is **$3\frac{7}{8}$** .
- The correct answer is 3.** (4.OA.1) We know the larger amount (12 blue shirts) and the comparison (4 times). To find the smaller amount, divide: $12 \div 4 = 3$ red shirts.
- The correct answer is A, D.** (4.NBT.1) A is true: 5 is in the hundreds place. D is true: 4 is in the tens place ($4 \times 10 = 40$). B, C, E are false. Answer: A and D. ✓
- Choice C is correct.** (4.MD.2) The cafeteria used 6 gallons on Monday and 8 gallons on Tuesday. Add them: $6 + 8 = 14$ gallons. They used **14** gallons in total.
- Choice A is correct.** (4.NF.3) Two wholes need two $\frac{5}{5}$ pieces, then add the $\frac{3}{5}$: $\frac{5}{5} + \frac{5}{5} + \frac{3}{5} = \frac{13}{5}$. ✓
- Choice A is correct.** (4.NBT.1) The ray lines up exactly with the 80° mark. Since 80° is between the 75° and 85° range and less than 90° , it's acute. The answer is **80** degrees.
- Choice B is correct.** (4.G.2) This triangle has one 90-degree angle and two acute angles (45 degrees each), making it a right triangle.
- Choice B is correct.** (4.MD.3) The diagram shows two angles meeting at one vertex. Add them together: $28^\circ + 47^\circ = 75^\circ$.
- Choice A is correct.** (4.NF.3) Diego read on two days. Both amounts have the same tenths: $4 + 5 = 9$ tenths, so $\frac{9}{10}$ of the book.
- Choice A is correct.** (4.NF.4) Count the shaded parts: there are 2 shaded parts. Count the equal parts: there are 5 total parts. So the fraction bar shows 2 copies of $\frac{1}{5}$, which is $\frac{2}{5}$.
- The correct answer is 0.6.** (4.NF.5) 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.
- Choice C is correct.** (4.MD.3) Start with $P = 2\ell + 2w = 24$. Substitute $\ell = 7$: $2(7) + 2w = 24$. Simplify: $14 + 2w = 24$, so $2w = 10$, thus $w = 5$ m.
- Choice D is correct.** (4.OA.2) Look at the picture: Raj's group has 2 rows of 6 books—that's 2 times Mira's amount. Multiply: $2 \times 6 = 12$ books.



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Notes From Your Math Builder

Hi, Math Builder!

◇ Through 9 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

Jay Daie

Your Math Builder

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:

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- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement

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SUCCESS FOR LIFE.**

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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.



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Measure growth across multiple practice tests.



Academic Success

Strengthen skills needed for future learning.

TOPICS COVERED

- ✓ Place Value & Number Sense
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- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
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