

4

Kansas

KAP

GRADE 4

MATH

PRACTICE TESTS



5 FULL-LENGTH
PRACTICE TESTS



Standards-Aligned Review with
Mixed Practice and Answer Key



STANDARDS-ALIGNED
REVIEW



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

$$\begin{array}{r} 125 \\ + 87 \\ \hline 212 \end{array}$$



4 Kansas KAP 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, Kansas Math Explorer!

Four steady rounds on the Sunflower State math route

This book gives you four 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?

Four tests, 120 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 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

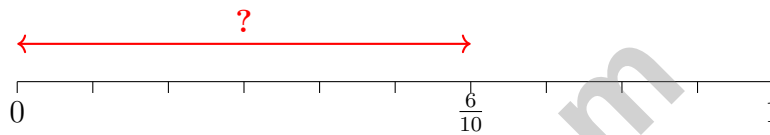
Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	25
★ Practice Test 3	_____	36
★ Practice Test 4	_____	47
Practice Test Answer Keys	_____	58
Practice Test Answers and Explanations	_____	61

1) Look at the input-output table. What is the rule?

Input	2	3	4	5
Output	6	9	12	15

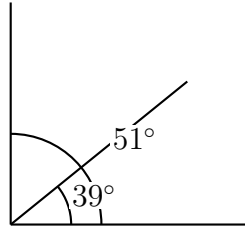
- A. Add 3 then multiply by 2 C. Multiply by 2 then add 2
 B. Add 4 D. Multiply by 3
- 2) A number line shows equal hops from 0 to $\frac{6}{10}$. How many hops of $\frac{1}{10}$ are needed?



- A. 3 hops C. 6 hops
 B. 4 hops D. 10 hops
- 3) A bathtub contains 120 fluid ounces of water. How many cups is this?
- A. 15 C. 60
 B. 30 D. 240
- 4) Rosa bought 7 pencils. Ahmed bought 5 times as many pencils as Rosa. How many pencils did Ahmed buy?
- A. 12 C. 42
 B. 30 D. 35



- 5) Two pieces of ribbon are arranged at a vertex. The first ribbon makes an angle of 39° and the second makes an angle of 51° . Together, what angle do the ribbons form?



- A. 90° C. 39°
 B. 51° D. 130°
- 6) A restaurant uses 9 tablespoons of salt in each pot of soup. If they make 8 pots of soup and then use an additional 12 tablespoons for seasoning, how many tablespoons of salt do they use in total?

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



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8) Which statement matches $32 = 8 \times 4$?

A. 32 is 4 less than 8

C. 32 is 8 more than 4

B. 32 is 4 more than 8

D. 32 is 8 times as many as 4

9) 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. $\frac{3}{4} + \frac{2}{4}$

10) Which number has a 9 in the hundreds place?

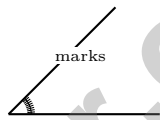
A. 9,234

C. 2,019

B. 3,590

D. 1,945

11)



The angle opens from 0° to 45° . What is its measure?

A. 45°

C. 46°

B. 50°

D. 90°

12) Which number is divisible by 10?

A. 55

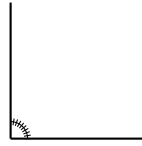
C. 120

B. 86

D. 135



1)



This is a right angle. How many one-degree angles make a right angle?

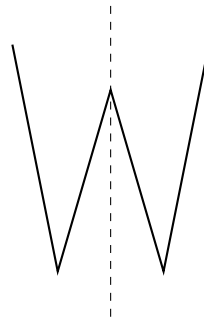
- A. 45 one-degree angles C. 90 one-degree angles
 B. 180 one-degree angles D. 360 one-degree angles

2) Add: $23,567 + 14,321 = ?$

- A. 37,888 C. 38,888
 B. 37,878 D. 37,788

3) 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

4) How many lines of symmetry does the letter *W* shown below have?

- A. 0 lines C. 2 lines
 B. 1 line D. 3 lines



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- 5) An obtuse angle has an opening that is:
- A. smaller than a right angle
- B. the same as a right angle
- C. larger than a right angle but smaller than a straight angle
- D. equal to a straight angle
- 6) Gia has 27 stickers. Her friend gives her 18 more. They share all stickers equally. If they split into 3 groups, how many stickers are in each group?
- A. 12
- B. 13
- C. 18
- D. 15
- 7) A rectangle has an area of 63 square feet. The length is 9 feet. What is the width?
- A. 6 ft
- B. 8 ft
- C. 9 ft
- D. 7 ft
- 8) Two angles of measures 15° and 75° are combined. What is the total angle?
- A. 60°
- B. 75°
- C. 90°
- D. 100°
- 9) A music class has 156 minutes of rehearsal to divide evenly across 4 days. How many minutes are planned for each day?
- A. 39 minutes
- B. 52 minutes
- C. 156 minutes
- D. 160 minutes
- 10) What is $2 \times \frac{2}{5}$?
- A. $\frac{2}{10}$
- B. $\frac{4}{10}$
- C. $\frac{4}{5}$
- D. $\frac{2}{7}$



1) What is 3×456 ?

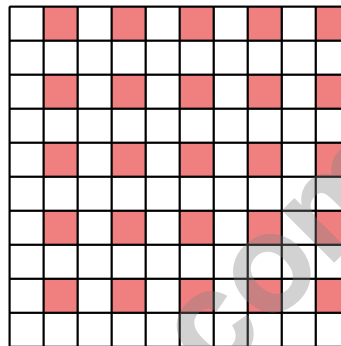
A. 1450

C. 1512

B. 1600

D. 1368

2) How many hundredths are shaded in this grid?



A. 25 hundredths or 0.25

C. 75 hundredths or 0.75

B. 50 hundredths or 0.50

D. 100 hundredths or 1.00

3) Which fraction bar correctly shows $2 \times \frac{1}{5}$?



A. Picture A

C. Picture C

B. Picture B

D. Picture D



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4) Leo reads 2 books. His sister reads 5 times as many books as Leo. How many books does his sister read?

A. 3

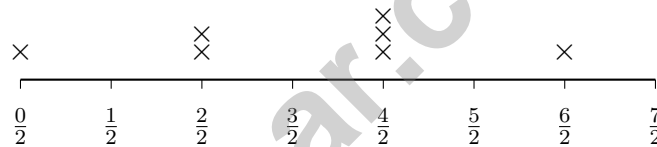
C. 5

B. 7

D. 10

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

6) Look at this line plot with halves:



How many measurements shown are between $\frac{1}{2}$ and 2 inches (inclusive)?

A. 3

C. 5

B. 4

D. 6

7) Mia has $4\frac{2}{3}$ hours to complete a project. She spends $2\frac{1}{3}$ hours on the first part. How much time remains for the rest?

A. $2\frac{1}{3}$

C. $6\frac{3}{3}$

B. $1\frac{1}{3}$

D. $2\frac{2}{3}$



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: $2 \times 3 = 6$, $3 \times 3 = 9$, $4 \times 3 = 12$, $5 \times 3 = 15$. Multiply each input by 3.
- Choice C is correct.** (4.NF.3) To reach $\frac{6}{10}$ with hops of $\frac{1}{10}$, we count: each hop is one unit fraction, and we need 6 copies to equal $\frac{6}{10}$. So 6 hops gets us there!
- Choice A is correct.** (4.MD.1) Since 1 cup = 8 fluid ounces, divide: $120 \div 8 = 15$ cups. The answer is **15** cups.
- Choice D is correct.** (4.OA.2) “5 times as many” is a multiplication signal. Ahmed bought 5 groups of Rosa’s 7 pencils: $5 \times 7 = 35$ pencils.
- Choice A is correct.** (4.MD.3) The two ribbons meet at a vertex and form an angle. Add them: $39^\circ + 51^\circ = 90^\circ$.
- The correct answer is 84.** (4.OA.3) Two steps! Step 1: salt in all the pots: $9 \times 8 = 72$ tablespoons. Step 2: add the seasoning: $72 + 12 = 84$ tablespoons in total.
- The correct answer is 9,690.** (4.NBT.4) 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 D is correct.** (4.OA.1) Read $32 = 8 \times 4$ in words: “32 equals 8 groups of 4,” which is the same as “32 is 8 times as many as 4.” The other choices describe adding or subtracting, not multiplying.
- Choice C is correct.** (4.NF.3) Check each: A equals $\frac{4}{5}$ (less), B equals $\frac{4}{3}$ (more), C equals **1**, D equals $\frac{5}{4}$ (more). Only $C = \frac{5}{6} + \frac{1}{6} = 1$.
- Choice D is correct.** (4.NBT.1) Check each number: 1,945 has 9 in the hundreds place (worth 900). The other options have 9 in different places. Answer: **1,945**. ✓
- Choice A is correct.** (4.G.1) Counting the one-degree angle marks from 0° to 45° gives us **45**.
- Choice C is correct.** (4.OA.4) Divisibility rule for 10: the last digit must be exactly 0. Only 120 ends in 0, so $120 \div 10 = 12$. The others (55 ends in 5, 86 ends in 6, 135 ends in 5) don’t end in 0, so 10 doesn’t divide them evenly.
- Choice D is correct.** (4.NBT.2) All share the same ten-thousands and thousands. Hundreds: $3 > 2$, $3 > 0$. So 10,302 is greatest ✓
- Choice B is correct.** (4.MD.3) From the diagram: length is 7 in and width is 3 in. Perimeter = $2(7) + 2(3) = 14 + 6 = 20$ in.
- The correct answer is A, B.** (4.NBT.5) Check each option. A: $(20 \times 17) + (6 \times 17) = 340 + 102 = 442$ checkmark. B: $(26 \times 10) + (26 \times 7) = 260 + 182 = 442$ checkmark. C, D, E don’t equal 442.
- Choice B is correct.** (4.G.1) The blue label marks the vertex—the point where the two sides (rays) meet.
- Choice A is correct.** (4.MD.4) Count the weights: $\frac{4}{8}$ lb appears 3 times (the most!), $\frac{5}{8}$ lb once, and $\frac{6}{8}$ lb once. So $\frac{4}{8}$ lb has the most X marks.
- Choice B is correct.** (4.NF.3) The flour bag started full, and some was used. Find how much was used by subtracting what remains: $5\frac{3}{10} - 2\frac{1}{10} = 3\frac{2}{10}$ pounds of flour was used.
- Choice A is correct.** (4.NBT.3) In option A (79,999), the thousands digit is $9 \geq 5$, so round the ten thousands digit UP from 7 to 8, giving **80,000** ✓.
- Choice C is correct.** (4.NF.3) Add the wholes: $2 + 2 = 4$. Add the fractions: $\frac{3}{4} + 0 = \frac{3}{4}$. The total length is **4** $\frac{3}{4}$ inches.
- Choice D is correct.** (4.NBT.1) The ray aligns perfectly with the 35° mark. Since $35^\circ < 90^\circ$, this is a small acute angle. The answer is **35** degrees.
- Choice B is correct.** (4.G.1) Perpendicular lines are special because they always cross at exactly 90° — a perfect right angle. That little square symbol shows you where they meet.
- Choice C is correct.** (4.NF.5) To convert $\frac{3}{10}$ meter to hundredths of a meter, multiply by $\frac{10}{10}$: $\frac{3}{10} = \frac{3 \times 10}{10 \times 10} = \frac{30}{100}$ meter.
- The correct answer is $\frac{3}{12}$.** (4.NF.3) Divide $\frac{9}{12}$ into three equal parts: each piece is $\frac{3}{12}$. Check: $3 + 3 + 3 = 9$ ✓.
- Choice C is correct.** (4.MD.2) Step 1: Add the fruit: $2\frac{1}{2} + 1\frac{1}{2} = 4$ kg. Step 2: Add the container: $5 + 4 = 9$ kg. The total mass is **9** kilograms.
- Choice A is correct.** (4.NF.1) Find common denominator 12: $\frac{5}{6} = \frac{10}{12}$ and $\frac{3}{4} = \frac{9}{12}$. Since $\frac{10}{12} > \frac{9}{12}$, Noah used more paint.



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Hi, Brave Explorer!

◇ What a trip! You explored 4 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 4 tests, you learned a lot. You are a stronger math explorer now. ★

Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

Explorer tip: on test day, use the tools you packed. You have the skills. You are ready!

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

Jay Daie

Your Math Trail Guide

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:

- ✓ 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.



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 & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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