

5

Kansas KAP

Standards-Aligned Review with
Mixed Practice and Answer Key



5 Kansas KAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five 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!

Five steady rounds on the Sunflower State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

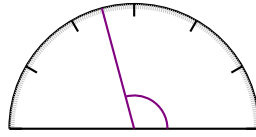
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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7)

What is the measure of this angle?

- A. 95 degrees C. 125 degrees
 B. 115 degrees D. 105 degrees

8) A pencil is 19 centimeters long. How many millimeters is this?

- A. 1.9 C. 190
 B. 19 D. 1,900

9) A recipe uses $\frac{9}{4}$ cups of flour. This equals how many whole cups and extra fourths?

- A. 1 whole and $\frac{5}{4}$ extra C. 2 wholes and $\frac{9}{4}$ extra
 B. 2 wholes and $\frac{1}{4}$ extra D. 3 wholes and $\frac{1}{4}$ extra

10) In the number 5,003, what is the value of the digit in the hundreds place?

- A. 3 C. 3 hundred
 B. 50 D. 0

11) A class has 48 students. They are divided into 6 equal teams. How many students are on each team?



1) What is $3,456 \div 4$?

A. 836

C. 856

B. 846

D. 864

2) A bakery sold 12,345 cookies on Monday and 8,567 cookies on Tuesday. How many cookies did they sell in total?

A. 20,912

C. 20,812

B. 21,012

D. 21,112

3) What is the measure of an angle drawn at 75° ?



4) Which symbol makes this true? $456,100 \square 456,099$

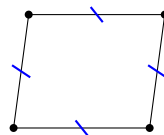
A. $<$

C. $=$

B. Cannot compare

D. $>$

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



Tick marks
on sides

A. Parallel sides

C. Equal sides

B. Right angles

D. Perpendicular sides



6) A container holds 2 kilograms of rice. How much rice is in 7 identical containers?

A. 5 kg

C. 14 kg

B. 9 kg

D. 12 kg

7) A recipe calls for $\frac{1}{4}$ cup of sugar. If Miguel triples the recipe, how much sugar does he need?

A. $\frac{1}{12}$ cup

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

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

D. $1\frac{1}{4}$ cups

8) Round 93,847 to the nearest hundred.

A. 94,000

C. 93,900

B. 93,850

D. 93,800

9) Find $\frac{5}{6} + \frac{1}{6}$.

10) A bookstore receives 7 shipments of books. Each shipment has 256 books. How many books are received?

A. 1792

C. 1589

B. 1648

D. 1856

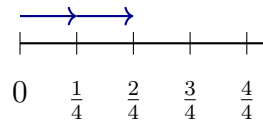


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1) A triangle has three equal sides. What type of triangle is it?

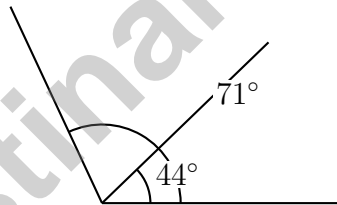
- A. Scalene triangle C. Right triangle
 B. Equilateral triangle D. Obtuse triangle

2) How many hops of $\frac{1}{4}$ are shown to reach $\frac{2}{4}$?



- A. 1 hop C. 3 hops
 B. 2 hops D. 4 hops

3) Look at the angle diagram. An angle is divided by a ray into two parts measuring 44° and 71° .



What is the total angle measure?

- A. 115° C. 145°
 B. 27° D. 180°



4) Use this place-value chart:

Hundred-Thousands	Ten-Thousands	Thousands	Hundreds	Tens	Ones
4	1	8	5	2	3

What is the standard numeral?

- A. 418,253 C. 418,352
 B. 481,523 D. 418,523
- 5) A line plot shows pencil weights in eighths of an ounce. There are 1 pencil at $\frac{1}{8}$, 3 pencils at $\frac{2}{8}$, and 2 pencils at $\frac{3}{8}$. What is the total number of pencils?
- A. 3 C. 5
 B. 4 D. 6
- 6) How is $\frac{80}{100}$ written as a fraction with denominator 10?
- A. $\frac{80}{10}$ D. Cannot be written with denominator 10
 B. $\frac{8}{10}$
 C. $\frac{8}{100}$
- 7) Round 6,005 to the nearest ten.
- A. 6,010 C. 6,100
 B. 6,000 D. 6,005



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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

- 1) **Choice B is correct.** (4.MD.4) Count X marks at values ≤ 1 inch. At $\frac{1}{2}$ inch: 1 mark. At 1 inch: 2 marks. Total: $1 + 2 = 3$ marks.
- 2) **Choice C is correct.** (4.NF.3) Add the wholes: $3 + 2 = 5$. Add the fractions: $\frac{2}{5} + \frac{3}{5} = \frac{5}{5} = 1$. Combine: $5 + 1 = 6$ pages.
- 3) **Choice C is correct.** (4.MD.2) Maria runs one lap of 400 meters three times. Multiply to find the total: $3 \times 400 = 1,200$ meters. That's **1,200** meters in all!
- 4) **Choice C is correct.** (4.NF.5) The picture shows a hundredths grid with just one square left blank. That means 99 out of 100 are shaded: $\frac{99}{100} = 0.99$.
- 5) **Choice A is correct.** (4.NF.3) Maya's ribbon is cut into 11 equal pieces, and she uses 6 of them. So the fraction is $\frac{6}{11}$, which is **6** copies of $\frac{1}{11}$.
- 6) **Choice A is correct.** (4.NF.3) The cake recipe uses sugar and flour as shown in the picture. Add them with like denominators: $\frac{4}{6} + \frac{2}{6} = \frac{6}{6}$ cups total.
- 7) **Choice D is correct.** (4.NBT.1) The ray points to the 105° mark. Since 105° is between the 90° and 120° benchmarks, this is an obtuse angle. The answer is **105** degrees.
- 8) **Choice C is correct.** (4.MD.1) Since 1 centimeter = 10 millimeters, multiply: $19 \times 10 = 190$ mm. The answer is **190** mm.
- 9) **Choice B is correct.** (4.NF.3) Break apart $\frac{9}{4}$: two wholes are $\frac{4}{4} + \frac{4}{4}$, then add $\frac{1}{4}$ more. That's $2\frac{1}{4}$ cups \checkmark .
- 10) **Choice D is correct.** (4.NBT.1) In 5,003, the hundreds place has the digit 0. Its value is $0 \times 100 = 0$. \checkmark
- 11) **The correct answer is 8.** (4.OA.3) Equal teams is a division signal. Step 1: set up: $48 \div 6$. Step 2: solve: $48 \div 6 = 8$ students on each team. *Quick check:* $6 \times 8 = 48$. \checkmark
- 12) **Choice D is correct.** (4.OA.2) "3 times as many" is a multiplication signal. The friend has 3 groups of 9 soldiers: $3 \times 9 = 27$ toy soldiers.
- 13) **Choice A is correct.** (4.NBT.4) Add using the standard algorithm: ones $7 + 5 = 12$ (write 2, carry 1), tens $6 + 4 + 1 = 11$ (write 1, carry 1), hundreds $5 + 3 + 1 = 9$, thousands $4 + 2 = 6$. The sum is **6,912**.
- 14) **Choice A is correct.** (4.NF.3) The bar shows all 4 parts shaded (light blue). The dark part ($\frac{1}{4}$) is removed. What's left: $4 - 1 = 3$ fourths, or $\frac{3}{4}$.
- 15) **Choice B is correct.** (4.G.1) An angle always has exactly **2** rays that form its sides.
- 16) **Choice A is correct.** (4.NBT.6) Use long division: $16 \div 8 = 2$, bring down the 2 to get $2 \div 8 = 0$ r2, bring down the 4 to get $24 \div 8 = 3$. Each shelf gets **203** books.
- 17) **Choice A is correct.** (4.NF.4) The number line shows 3 equal jumps, each of size $\frac{1}{3}$, landing at 1. This represents $3 \times \frac{1}{3} = 1$.
- 18) **The correct answer is A, B.** (4.NF.5) A is true: Rewrite $0.9 = 0.90$. Compare: $90 > 89$ hundredths, so $0.9 > 0.89$. B is true: 0.09 has 0 tenths while 0.9 has 9 tenths, so $0.09 < 0.9$. C is false: they differ by 0.81. D is false: $0.89 < 0.9$. E is false: $0.9 > 0.8$.
- 19) **Choice D is correct.** (4.NBT.5) Split both: $17 = 10 + 7$ and $19 = 10 + 9$. The four partial products are: $10 \times 10 = 100$, $10 \times 9 = 90$, $7 \times 10 = 70$, $7 \times 9 = 63$.
- 20) **Choice D is correct.** (4.OA.4) The word "multiply" tells us to repeat groups. Doubling: $5 \rightarrow 10 \rightarrow 20 \rightarrow 40$. The rule is "multiply by 2". \checkmark
- 21) **Choice A is correct.** (4.G.1) Points *J*, *K*, and *L* all sit on the same straight horizontal line, making them collinear. Point *M* stands off to the side, so it's not part of this collinear group.
- 22) **The correct answer is 240.** (4.G.1) Two-thirds of the full turn: $\frac{2}{3} \times 360^\circ = 240^\circ$.
- 23) **Choice C is correct.** (4.MD.3) To find area, we multiply length times width: $8 \times 5 = 40$ sq ft.
- 24) **Choice A is correct.** (4.NF.4) Ava drinks $\frac{1}{4}$ cup 4 times, so we calculate $4 \times \frac{1}{4} = \frac{4 \times 1}{4} = \frac{4}{4} = 1$ cup. The answer is **1** cup.
- 25) **Choice D is correct.** (4.NBT.2) From the table: ten-thousands: 2, thousands: 0, hundreds: 9, tens: 3, ones: 5 $\rightarrow 20,935$ \checkmark



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Hi, Math Athlete!

◇ 5 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

Trainer tip: on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

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

Jay Daie

Your Math Trainer

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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- ✓ Confidence Building

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SUCCESS TOMORROW!

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Better Problem Solving

Develop logical thinking and effective solution strategies.



Test Confidence

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Track Progress

Measure growth across multiple practice tests.



Master Key Concepts

Reinforce important skills aligned with grade-level standards.



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



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Answer Key Included

A+