

8

Utah RISE

GRADE 4

PRACTICE TESTS



$2 \times 3 = 6$

3

1

5

$2 \times 3 = 6$

2

4



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

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Utah RISE Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question Grade 4 practice rounds for RISE, built around red-rock arches, mountain air, and exact fraction work, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Utah Math Explorer!

Eight steady rounds on the Beehive State math route

This book gives you eight full Grade 4 practice tests for RISE. Each round uses red-rock arches, mountain air, and exact fraction work to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Utah 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 Utah RISE 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 Beehive 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?

Eight tests, 240 questions, and a full RISE 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 6–8	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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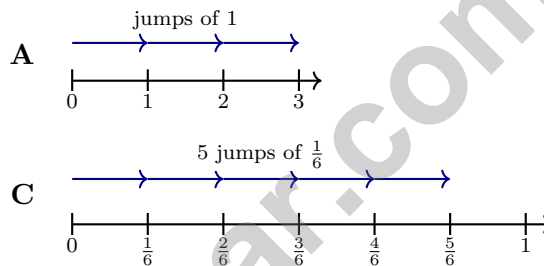
1) Use these two place-value charts to compare:

	100,000s	10,000s	1,000s	100s	10s	1s
Chart 1	1	2	8	3	7	2
Chart 2	1	2	8	4	2	3

Which is true?

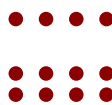
- A. $128,372 > 128,423$
- C. $128,372 = 128,423$
- B. Cannot determine
- D. $128,372 < 128,423$

2) Which number line shows $5 \times \frac{1}{6}$?



- A. Top number line
- C. Bottom number line
- B. Neither shows it
- D. Both show the same thing

Alex



Claire

3)

Alex has 4 marbles. Claire has 2 times as many marbles as Alex. How many marbles does Claire have?

- A. 6
- C. 10
- B. 12
- D. 8

4) At a bakery, a cookie costs \$0.49 and a donut costs \$0.94. Which item costs less?

A. Cookie (\$0.49)

B. Donut (\$0.94)

C. Both cost the same

D. Cannot tell from prices

5) Subtract: $88,765 - 44,321 = ?$

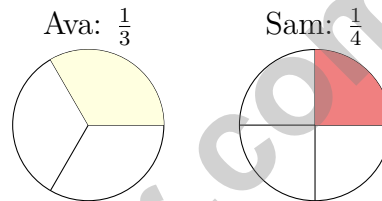
A. 44,444

B. 45,444

C. 44,234

D. 43,444

6) Two pizzas are the same size. Ava ate $\frac{1}{3}$ of one pizza. Sam ate $\frac{1}{4}$ of another. Who ate more?



A. Ava ate more

B. Sam ate more

C. They ate the same

D. Cannot determine

7) How many degrees greater than 90° is 120° ?



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1) Which fraction bar shows $\frac{4}{6} + \frac{2}{6}$?



$$\frac{4}{6} \text{ (green)} + \frac{2}{6} \text{ (orange)}$$

A. $\frac{4}{12}$
 B. $\frac{6}{6}$

C. $\frac{6}{12}$
 D. $\frac{6}{8}$

2) Look at this addition with regrouping: $\begin{array}{r} 4,567 \\ +2,345 \\ \hline \end{array}$ What is the sum?

A. 6,912
 B. 6,812

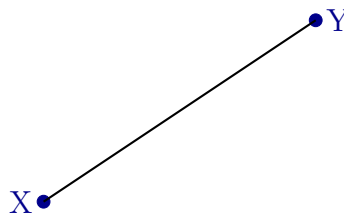
C. 7,012
 D. 6,922

3) Mia shaded $\frac{1}{8}$ on three different fraction bars. What is the total shaded?

A. $\frac{1}{8}$
 B. $\frac{3}{8}$

C. $\frac{3}{24}$
 D. $\frac{1}{24}$

4) What are the endpoints of this line segment?



A. X and Y
 B. Only X

C. Only Y
 D. The midpoint



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5) Ming walks 2 miles to school. How many yards is this?

- A. 528 C. 3,520
 B. 1,056 D. 5,280

6) $\frac{4}{5}$ is equivalent to $\frac{?}{20}$. What is the missing numerator?

- A. 12 C. 18
 B. 24 D. 16

7) A gear rotates $\frac{7}{12}$ of a full turn, then rotates an additional $\frac{1}{12}$ turn. What is the total rotation in degrees?

- A. 180° C. 240°
 B. 210° D. 270°

8)



What is the measure of the angle shown?

- A. 130 degrees C. 160 degrees
 B. 150 degrees D. 140 degrees

9) An angle is labeled 77° . What is its measure in degrees?



1) Ava ran 0.3 kilometers and then 0.5 kilometers. How far did she run in total?

A. 0.2 km

C. 0.35 km

B. 0.8 km

D. 1.0 km

2) How many factor pairs does 35 have?

3) In a school parking lot, there are 56 parking spots. The school parking lot has 7 times as many spots as the mall parking lot. How many parking spots are in the mall lot?

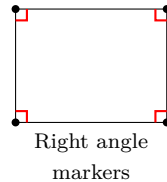
A. 63

C. 49

B. 10

D. 8

4) Look at this shape with right angle markers. How many right angles does it have?



A. One right angle

C. Three right angles

B. Two right angles

D. Four right angles



5) Ava had $\frac{7}{8}$ of a chocolate bar. She gave $\frac{2}{8}$ to her friend. How much does she have left?

A. $\frac{5}{8}$

B. $\frac{9}{8}$

C. $\frac{5}{16}$

D. $\frac{1}{8}$

6) Order from greatest to least: $\frac{5}{6}$, $\frac{5}{10}$, $\frac{5}{8}$.

A. $\frac{5}{10}$, $\frac{5}{8}$, $\frac{5}{6}$

B. $\frac{5}{6}$, $\frac{5}{8}$, $\frac{5}{10}$

C. $\frac{5}{8}$, $\frac{5}{6}$, $\frac{5}{10}$

D. $\frac{5}{10}$, $\frac{5}{6}$, $\frac{5}{8}$

7) A quarter turn around a circle measures how many degrees?

A. 45°

B. 90°

C. 180°

D. 270°

8) In the number 2,222, which 2 has the greatest value?

 A. The 2 in the ones place B. The 2 in the tens place C. The 2 in the hundreds place D. The 2 in the thousands place

9) How many rays make up an angle?

A. 1

B. 2

C. 3

D. 4

10) A library had 15,000 books. After a donation, they received 4,567 more books. How many books does the library have now?



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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 D is correct.** (4.NBT.2) The first three digits (hundred-thousands, ten-thousands, thousands) match. Hundreds: $3 < 4$, so Chart 1 is less ✓
- Choice C is correct.** (4.NF.4) For $5 \times \frac{1}{6}$, we need 5 jumps of $\frac{1}{6}$ each on the number line. The bottom number line (C) shows five hops of $\frac{1}{6}$ landing at $\frac{5}{6}$. The answer is Bottom number line (C).
- Choice D is correct.** (4.OA.2) Claire's group has 2 rows of 4 marbles—that's "2 times as many." Multiply: $2 \times 4 = 8$ marbles.
- Choice A is correct.** (4.NF.5) Compare the tenths place: $4 < 9$, so $0.49 < 0.94$. The cookie costs less.
- Choice A is correct.** (4.NBT.4) Subtract by place value: no regrouping needed. The answer is **44,444**.
- Choice A is correct.** (4.NF.1) Same numerator, different denominators: larger denominator means smaller pieces. Since thirds are bigger than fourths, $\frac{1}{3} > \frac{1}{4}$.
- The correct answer is 30.** (4.G.1) Find the difference: $120 - 90 = 30$.
- The correct answer is $\frac{18}{6}$.** (4.NF.4) Lining up 9 tiles, each $\frac{2}{6}$ meter long, gives us $9 \times \frac{2}{6} = \frac{18}{6} = 3$ meters.
- Choice A is correct.** (4.MD.7) The crease splits the angle into two parts. Subtract to find the other: $134^\circ - 67^\circ = 67^\circ$.
- Choice C is correct.** (4.G.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.** (4.NF.4) Each student gets $\frac{1}{10}$ of all the items. If we have 10 students, each getting $\frac{1}{10}$, that's $10 \times \frac{1}{10} = 1$, which accounts for all items.
- Choice A is correct.** (4.NF.3) The rectangle has 6 equal parts, and 4 are colored blue. So $\frac{4}{6}$ is blue, which is $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ —four unit fractions.
- Choice B is correct.** (4.NF.3) Start at 0. Hop right by $\frac{2}{5}$, then hop right by $\frac{3}{5}$ more. You land exactly at 1. That's $\frac{2}{5} + \frac{3}{5} = 1$.
- The correct answer is A, E.** (4.NF.5) Choice A: $\frac{70}{100}$ is the hundredths form of $\frac{7}{10}$ —multiply by $\frac{10}{10}$. Choice E is $\frac{7}{10}$ itself. The others don't equal 7 tenths.
- Choice A is correct.** (4.OA.4) Multiples of 5 are what you get when you skip-count by 5: 5, 10, 15, 20, 25, ... Choice A counts in order with no skips. Choice B jumps $10 \rightarrow 20 \rightarrow 35$ (gaps); choice C jumps over 25; choice D starts at 10 instead of 5.
- Choice D is correct.** (4.MD.4) Add all the measurements: $\frac{1}{8} + \frac{3}{8} + \frac{3}{8} + \frac{5}{8} + \frac{5}{8} + \frac{5}{8} + \frac{7}{8} = \frac{29}{8}$ in.
- Choice B is correct.** (4.MD.5) At 3 o'clock, the clock hands form a perfect right angle (90 degrees).
- Choice B is correct.** (4.MD.5) The diagram shows a right angle between horizontal and vertical rays. The measure is 90° .
- Choice A is correct.** (4.MD.3) The rectangle is 5 units long and 3 units wide. Perimeter = $2(5) + 2(3) = 10 + 6 = 16$ units.
- Choice D is correct.** (4.NBT.1) Count the blocks: 4 thousands, 1 hundreds, 6 tens, 2 ones. Add them: $4,000 + 100 + 60 + 2 = 4,162$. ✓
- Choice D is correct.** (4.NF.1) Divide both top and bottom by 2: $\frac{4}{8} = \frac{4 \div 2}{8 \div 2} = \frac{2}{4}$. Then divide again by 2: $\frac{2}{4} = \frac{1}{2}$.
- Choice A is correct.** (4.NBT.6) We round 4,156 to the compatible number 4,000 (a number that divides nicely by 4). Since $4,000 \div 4 = 1,000$, the quotient is about **1,000**. Why "compatible"? It makes mental math easy.
- Choice C is correct.** (4.NF.4) Four tiles, each $\frac{1}{6}$, combine to make $4 \times \frac{1}{6} = \frac{4}{6}$.
- Choice D is correct.** (4.OA.3) Two steps! Step 1: total pencils: 4 cases \times 50 pencils = 200. Step 2: share equally among 25 classrooms: $200 \div 25 = 8$ pencils each.
- Choice B is correct.** (4.G.3) The letter V looks like two lines meeting at a point at the bottom. A vertical line down the middle divides the left and right halves so they match. The answer is **1** line of symmetry.
- Choice C is correct.** (4.NBT.3) For 7,249: tens digit is $4 < 5$, round DOWN to 7,200 ✓. For 7,251: tens digit is $5 \geq 5$, round UP to 7,300 ✓. A small change (two digits) flips the rounding!



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Cheer Squad Final Pep Talk

Hi, Math Star!

◇ 8 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 8 times. That's real confidence. It is not pretend! ★

Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

Cheer tip: on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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

Jay Daie

Your Math Cheerleader

8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, and achieve their best.

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- ✓ Measurement & Data
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