

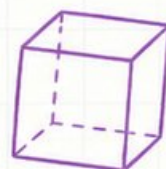
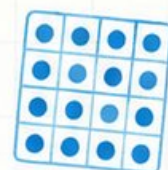
10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



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



Utah RISE GRADE 4 MATH

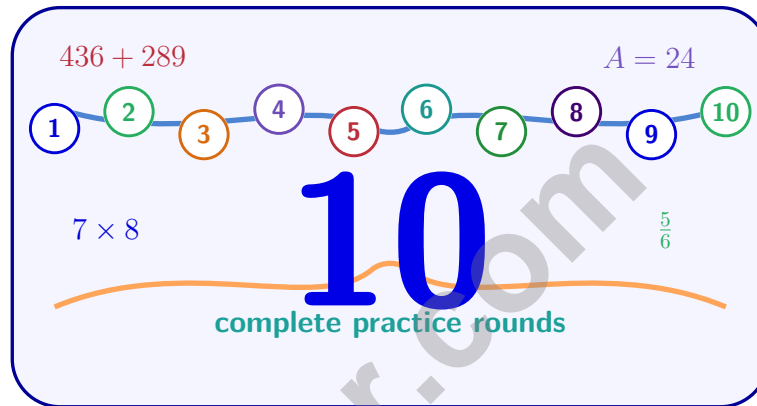
PRACTICE TESTS

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



10 Utah RISE Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Beehive State math route

This book gives you ten 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?

Ten tests, 300 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Utah book.
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.

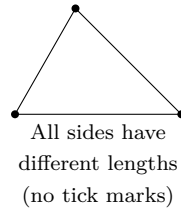


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& answers

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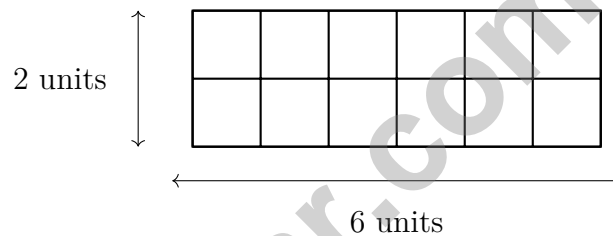
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1) Look at the triangle. All three sides have different lengths. What type is it?



- A. Scalene triangle
 B. Isosceles triangle

- C. Equilateral triangle
 D. Acute triangle



2)

Each small square is 1 square unit. What is the area of the rectangle?

- A. 8 sq units
 B. 10 sq units

- C. 12 sq units
 D. 16 sq units

3) Eight parts of size $\frac{1}{10}$ make what fraction?



4) Add: $19,876 + 20,234 = ?$

A. 39,110

C. 39,210

B. 40,210

D. 40,110

5) Which multiplication sentence matches $\frac{4}{10}$?

A. $10 \times \frac{1}{4}$

C. $6 \times \frac{1}{10}$

B. $4 \times \frac{1}{10}$

D. $\frac{1}{4} \times 10$

6) A recipe calls for 0.5 cups of sugar. Does this equal 0.50 cups?

A. Yes, they are equal

C. No, 0.50 is greater

B. No, 0.5 is greater

D. They cannot be compared

7) A recipe for cookies uses $\frac{2}{5}$ cup of chocolate chips. If you triple the recipe, how many cups of chocolate chips do you need?

8) Which number is less than 54,200?

A. 54,300

C. 55,200

B. 54,200

D. 54,100

9) How many lines of symmetry does a circle have?

A. 0

C. Infinitely many

B. 1

D. 4



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10) How many centimeters are in 3 meters?

- A. 30 C. 3,000
 B. 300 D. 30,000

11) Write $\frac{5}{10}$ as an equivalent fraction with denominator 100.

- A. $\frac{5}{100}$ C. $\frac{500}{100}$
 B. $\frac{50}{100}$ D. $\frac{50}{10}$

12) A class recorded toy block heights in fourths of an inch: $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{1}{4}$. When plotted, what is the mode (most common measurement)?

- A. $\frac{1}{4}$ in C. $\frac{3}{4}$ in
 B. $\frac{2}{4}$ in D. 1 in

13) The school cafeteria served 1,250 lunches last month. What is the value of the digit 2 in this number?

- A. 2 C. 200
 B. 20 D. 2,000

14) Ava has $\frac{2}{5}$ of a candy bar. Diego gives her $\frac{2}{5}$ more. How much candy does Ava have now?

- A. $\frac{4}{10}$ C. $1\frac{1}{5}$
 B. $\frac{4}{5}$ D. $\frac{2}{10}$



1) $\frac{13}{10}$ can be decomposed as $1\frac{3}{10}$. Which equation shows this?

A. $\frac{10}{10} + \frac{3}{10}$

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

C. $\frac{8}{10} + \frac{4}{10}$

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

2) Add: $12,345 + 23,456 = ?$

A. 35,701

B. 36,801

C. 35,711

D. 35,801

3) If an angle measures 35° , how many one-degree angles does it turn through?

A. 3.5 one-degree angles

B. 35 one-degree angles

C. 70 one-degree angles

D. 350 one-degree angles

4) Noah wants to carpet his bedroom floor. The room is a rectangle that is 14 feet long and 10 feet wide. How many square feet of carpet does he need?

A. 24 sq ft

B. 48 sq ft

C. 140 sq ft

D. 280 sq ft

5) Which shows the completed standard algorithm, including the final product, for 37×26 ?

A.
$$\begin{array}{r} 37 \\ \times 26 \\ \hline 222 \\ +740 \\ \hline \end{array}$$

B.
$$\begin{array}{r} 37 \\ \times 26 \\ \hline 962 \\ +740 \\ \hline \end{array}$$

C.
$$\begin{array}{r} 37 \\ \times 26 \\ \hline 222 \\ + 74 \\ \hline \end{array}$$

D.
$$\begin{array}{r} 37 \\ \times 26 \\ \hline 222 \\ +740 \\ \hline 962 \end{array}$$



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6) Mia has 0.4 of a pizza. How can she write this as a fraction with denominator 10?

A. $\frac{4}{100}$

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

C. $\frac{40}{100}$

D. $\frac{4}{1000}$

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

8) A ribbon is cut into 2 equal pieces, and 1 piece is painted. Another identical ribbon is cut into 4 equal pieces, and 2 pieces are painted. Are the painted amounts equivalent?

A. Yes, both are $\frac{1}{2}$

B. Yes, both are $\frac{1}{4}$

C. No, the first ribbon has more painted

D. No, the second ribbon has more painted

9) Which geometric figure has exactly one endpoint?

A. A line

B. A line segment

C. A ray

D. A point

10) What is $3 \times \frac{4}{6}$ in simplest form?

A. $\frac{7}{6}$

B. $\frac{4}{18}$

C. $1\frac{1}{6}$

D. $\frac{12}{6}$ or 2



1) Complete the number sentence: $\frac{3}{5} = \frac{?}{15}$

2) What is $\frac{9}{10}$ written as a fraction with denominator 100?

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

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

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

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

3) A straight angle of 180° is divided into five equal parts. What is the measure of each part?

4) A ribbon is cut into two pieces. One piece is $\frac{7}{10}$ meter and the other is $\frac{2}{10}$ meter. What was the original length of the ribbon?



Piece 1: $\frac{7}{10}$ Piece 2: $\frac{2}{10}$
 Original ribbon: $\frac{7}{10} + \frac{2}{10} = ?$

A. $\frac{5}{10}$ meter

C. $\frac{9}{20}$ meter

B. $\frac{9}{10}$ meter

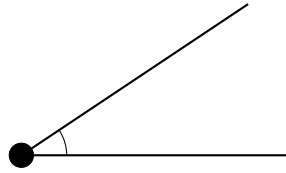
D. $\frac{14}{10}$ or $1\frac{4}{10}$ meters



5) Noah has 5 pieces of string, each $\frac{1}{8}$ meter long. How long is all the string put together?

- A. $\frac{1}{8}$ meter C. $\frac{1}{40}$ meter
 B. $\frac{5}{8}$ meter D. $\frac{8}{5}$ meter

6)



Comparing this angle to a right angle, this angle is:

- A. larger C. smaller
 B. the same size D. a straight angle

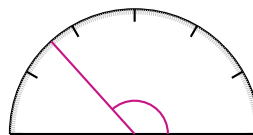
7) Diego has 6 toy cars. Chen has 4 times as many toy cars as Diego. How many more cars does Chen have than Diego?

- A. 10 C. 24
 B. 4 D. 18

8) Which shows three multiples of $\frac{1}{4}$ in order?

- A. $\frac{1}{4}, \frac{2}{8}, \frac{1}{2}$ C. $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}$
 B. $\frac{1}{4}, \frac{1}{8}, \frac{1}{12}$ D. $\frac{2}{4}, \frac{4}{4}, \frac{8}{4}$

9)



What is the measure of this angle?

- A. 120 degrees C. 140 degrees
 B. 132 degrees D. 128 degrees



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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.** (4.G.2) A scalene triangle has all three sides of different lengths, with no two sides equal to each other. The absence of tick marks on the sides confirms no sides are equal. The answer is **A**.
- Choice C is correct.** (4.MD.3) The grid shows 6 units by 2 units. Area = $6 \times 2 = 12$ sq units.
- The correct answer is $\frac{8}{10}$.** (4.NF.4) Eight parts of $\frac{1}{10}$: $8 \times \frac{1}{10} = \frac{8}{10}$.
- Choice D is correct.** (4.NBT.4) 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 B is correct.** (4.NF.4) The fraction $\frac{4}{10}$ is the same as 4 copies of $\frac{1}{10}$. We write this multiplication as $4 \times \frac{1}{10}$.
- Choice A is correct.** (4.NF.5) Trailing zeros don't change the value. Both 0.5 and 0.50 equal 5 tenths, or 50 hundredths. They're the same.
- The correct answer is $\frac{6}{5}$.** (4.NF.4) Multiply the amount by 3: Making 3 batches, each using $\frac{2}{5}$ cup of flour, means we multiply: $3 \times \frac{2}{5} = \frac{6}{5}$ cups.
- Choice D is correct.** (4.NBT.2) The thousands digits match, so compare the hundreds place: $100 < 200$, therefore $54,100 < 54,200$ ✓
- Choice C is correct.** (4.G.3) A circle is super special! No matter which direction you draw a line through its center, both sides match perfectly. You could draw infinitely many such lines, so a circle has infinitely many lines of symmetry.
- Choice B is correct.** (4.MD.1) Since 1 meter = 100 centimeters, multiply: $3 \times 100 = 300$ cm. The answer is **300** cm.
- Choice B is correct.** (4.NF.5) Multiply both the numerator and denominator by 10: $\frac{5}{10} \times \frac{10}{10} = \frac{50}{100}$.
- Choice A is correct.** (4.MD.4) Count the heights: $\frac{1}{4}$ in appears 3 times (the model!), $\frac{2}{4}$ in appears 2 times, and $\frac{3}{4}$ in appears 1 time. So $\frac{1}{4}$ in is most common.
- Choice C is correct.** (4.NBT.1) In 1,250, the digit 2 is in the hundreds place. Its value is $2 \times 100 = 200$. ✓
- Choice B is correct.** (4.NF.3) Ava starts with $\frac{2}{5}$ and Diego adds $\frac{2}{5}$ more. With the same-size fifths, we get $2 + 2 = 4$ fifths: $\frac{4}{5}$.
- Choice C is correct.** (4.MD.5) An obtuse angle opens wider than a right angle.
- Choice B is correct.** (4.NF.4) We take 7 copies of $\frac{1}{3}$. Multiply: $7 \times \frac{1}{3} = \frac{7 \times 1}{3} = \frac{7}{3} = 2\frac{1}{3}$. The answer is **$2\frac{1}{3}$** .
- Choice B is correct.** (4.MD.6) A straight angle is perfectly flat—it's a straight line with two rays pointing opposite directions. This special angle always measures exactly 180° , which is the full width of the protractor. The answer is **180** degrees.
- The correct answer is A, D.** (4.NF.3) A: $3 + 4 = 7$ ✓. D: Seven unit tenths: $7 \times \frac{1}{10}$ ✓. Both work!
- Choice D is correct.** (4.OA.1) To find "how many times as many," divide the bigger amount by the smaller. Group 2 has 12, Group 1 has 3, and $12 \div 3 = 4$. So Group 2 has **4** times as many counters.
- Choice D is correct.** (4.NF.1) To get a denominator of 12 from 3, multiply by 4. Multiply both top and bottom by 4: $\frac{2}{3} = \frac{2 \times 4}{3 \times 4} = \frac{8}{12}$.
- Choice C is correct.** (4.NBT.3) We're rounding to the nearest thousand, so check the hundreds digit of each. Option C (40,499): hundreds digit is $4 < 5$, rounds DOWN to **40,000**. ✓ Option A (39,250): hundreds digit $2 < 5$, rounds DOWN to 39,000. Option B (40,750): hundreds digit $7 \geq 5$, rounds UP to 41,000. Option D (40,501): hundreds digit $5 \geq 5$, rounds UP to 41,000.
- Choice A is correct.** (4.MD.5) Divide the degrees by 360 to get the fraction: $\frac{60}{360} = \frac{1}{6}$ (simplifying by 60). Answer: $\frac{1}{6}$.
- Choice D is correct.** (4.NBT.6) The partial quotients method: subtract $4 \times 400 = 1,600$ from 1,632 to get 32, then $32 \div 4 = 8$. Add the partial quotients: $400 + 8 = 408$.
- Choice B is correct.** (4.MD.7) The diagram shows the angle divided into two equal parts by a ray. Add them: $42^\circ + 42^\circ = 84^\circ$.
- Choice D is correct.** (4.NBT.5) Split both: $17 = 10 + 7$ and $19 = 10 + 9$. The four partial products are: $10 \times 10 = 100$, $10 \times 9 = 90$, $7 \times 10 = 70$, $7 \times 9 = 63$.
- Choice D is correct.** (4.OA.4) Work backwards: if "add 3" gives 10, then the first term is $10 - 3 = 7$.



From Your Math Family

Hi, Math Family Member,

◇ Welcome to a special note from your math family. You finished 10 full practice tests, and that hard work matters more than any score. We see you. We are proud of you. ◇

★ **Our math family knows:** math is a journey. You have taken many steps already. The test is just one stop. Every skill you built is yours forever. ★

What Your Math Family Sees

- **Hard Work:** You keep showing up.
- **Real Growth:** You can do problems today you couldn't before.
- **Brave Heart:** You face hard problems with brave thinking.
- **Bright Future:** Your math journey is just beginning.

Family tip: on test day, picture us standing behind you, smiling and rooting for you. You are not alone. Your math family is with you!

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

Jay Daie

Your Math Family

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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