

4

Utah RISE



GRADE 4

MATH

PRACTICE TESTS


 5 FULL-LENGTH PRACTICE TESTS

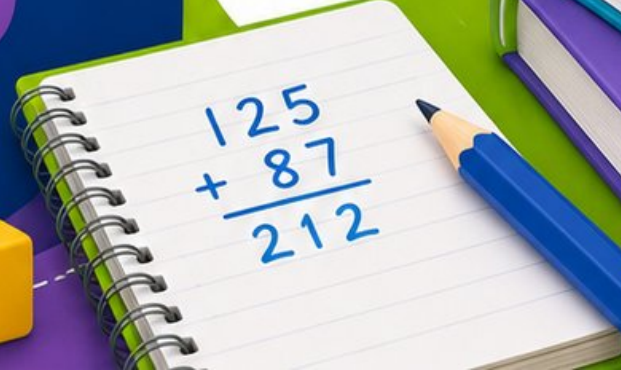
 STANDARDS-ALIGNED REVIEW

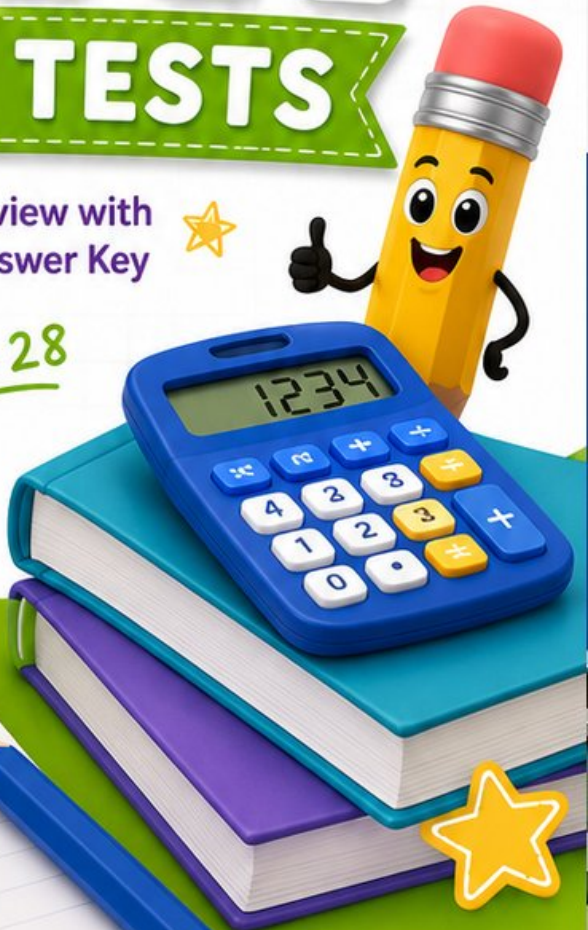
 MIXED PRACTICE QUESTIONS

 ANSWER KEY INCLUDED

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

 $4 \times 7 = 28$
 $36 \div 9 = 4$


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



4 Utah RISE 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.

Jay Daie and Reza Nazari



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Welcome, Utah Math Explorer!

Four steady rounds on the Beehive State math route

This book gives you four 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?

Four tests, 120 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 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.

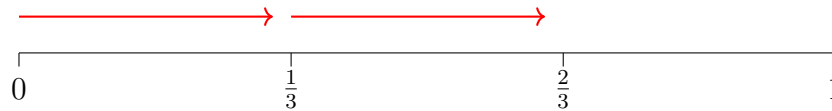


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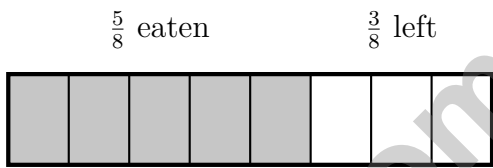
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1) A number line shows jumps of $\frac{1}{3}$. Which number of jumps gets us to $\frac{2}{3}$?



- A. 1 jump C. 3 jumps
 B. 2 jumps D. 6 jumps

2)


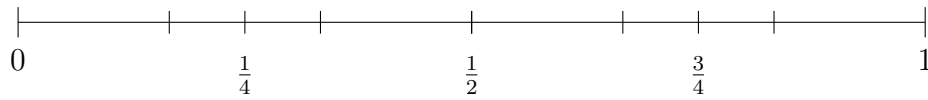
 A candy bar is divided into 8 equal parts. The shaded part shows $\frac{5}{8}$ of the bar that Maya ate. How much of the candy bar is left?

- A. $\frac{3}{8}$ C. $\frac{8}{8}$
 B. $\frac{5}{8}$ D. $\frac{13}{8}$

3) A coach has 3 teams. Team A has 18 players, Team B has 22 players, and Team C has 20 players. They want to divide all players equally into 8 groups. How many players are in each group, and how many players are left over?

- A. 15 C. 6 remainder 2
 B. 8 D. 7 remainder 4

4) Use the number line to find which inequality is correct.

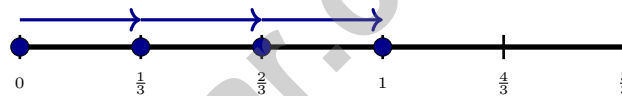


- A. $\frac{3}{4} < \frac{1}{4}$
 C. $\frac{1}{2} < \frac{3}{4}$
 B. $\frac{1}{4} > \frac{1}{2}$
 D. $\frac{3}{4} < \frac{1}{2}$

5) A rectangle has an area of 72 square inches. The length is 9 inches. What is the width?



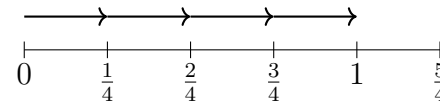
6)



The number line shows 3 jumps of $\frac{1}{3}$ each. What multiplication does this show?

- A. $3 \times \frac{1}{3} = 1$
 C. $3 \times \frac{2}{3} = 2$
 B. $3 \times \frac{1}{3} = 3$
 D. $3 \times 1 = 3$

7) Use the number line to find $4 \times \frac{1}{4}$.

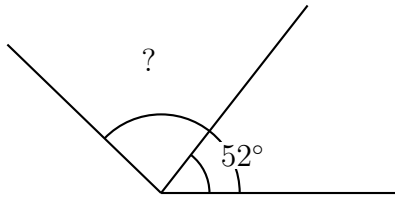


- A. $\frac{1}{4}$
 C. $\frac{2}{4}$
 B. $\frac{4}{4}$ or 1
 D. $\frac{4}{16}$



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- 8) A ray divides a 136° angle into two parts. The smaller part measures 52° . What is the measure of the larger part?



- A. 84° C. 188°
 B. 52° D. 68°
- 9) How many factor pairs does 20 have?
- A. 2 C. 4
 B. 5 D. 3
- 10) Which statement correctly matches the equation $42 = 6 \times 7$?
- A. 42 is 6 less than 7 C. 42 is 6 times as many as 7
 B. 42 is 7 more than 6 D. 42 equals 6 plus 7
- 11) What is $6,001 - 2,345$?
- A. 3,656 C. 4,656
 B. 3,756 D. 3,556
- 12) A juice bottle contains 2 liters of juice. How many milliliters is this?
- A. 20 C. 2,000
 B. 200 D. 20,000



1) How many unit fractions of $\frac{1}{7}$ make $\frac{5}{7}$?

A. 2

C. 7

B. 5

D. 12

2) Write 0.56 as a fraction.

3) In the number 4,726, what is the digit in the tens place and its value?

A. Digit is 2; value is 2

C. Digit is 7; value is 700

B. Digit is 6; value is 6

D. Digit is 2; value is 20

4) A number is written as 6 thousands, 7 hundreds, 3 tens, and 1 one. What is the value of the hundreds?

A. 7

C. 700

B. 70

D. 7,000

5) Carmen ate $\frac{3}{8}$ of a pizza. Her brother ate $\frac{2}{8}$ of the same pizza. What fraction of the pizza did they eat altogether?

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

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

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

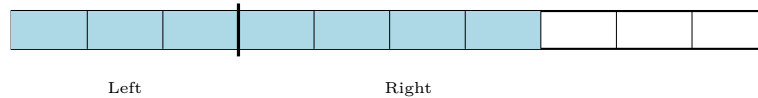
D. $\frac{5}{16}$



6) Round 11,550 to the nearest hundred.

- A. 11,500 C. 11,550
 B. 11,000 D. 11,600

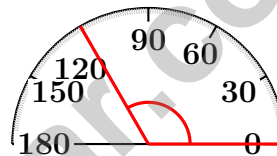
7) A student drew this bar to show $\frac{7}{10}$:



The line splits this into two parts. Which decomposition is shown?

- A. $\frac{3}{10} + \frac{4}{10}$ C. $\frac{4}{10} + \frac{2}{10}$
 B. $\frac{2}{10} + \frac{5}{10}$ D. $\frac{1}{10} + \frac{6}{10}$

8)



A student measures an angle with a protractor. The angle opens to the 120-degree mark. What type of angle is this?

- A. Acute angle C. Obtuse angle
 B. Right angle D. Straight angle

9) A garden is shaped like a rectangle. It is 9 feet long and 5 feet wide. How many feet of fencing are needed to go around the garden?

- A. 14 ft C. 45 ft
 B. 28 ft D. 36 ft



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- 4) A rectangle is divided into 8 equal columns. 5 columns are painted red. Show the red fraction as a sum of unit fractions.



5 red columns out of 8

- A. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
 C. 5 parts of 5
 B. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$
 D. $\frac{5}{5}$
- 5) How many degrees is a half turn around a circle?
- A. 90°
 C. 270°
 B. 180°
 D. 360°
- 6) What is $\frac{3}{10}$ as a decimal?
- A. 0.03
 C. 3.0
 B. 0.3
 D. 0.13



- 7) 5 bars, each $\frac{1}{3}$ yard

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



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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 B is correct.** (4.NF.3) Each jump moves us forward by $\frac{1}{3}$. To land on $\frac{2}{3}$, we need **2** jumps: $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$.
- Choice A is correct.** (4.NF.3) The picture shows the candy bar is divided into 8 equal parts with 5 shaded (what Maya ate). Subtract the shaded part from the whole bar: $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$ of the candy bar is left.
- Choice D is correct.** (4.OA.3) Two steps! Step 1: total players from all three teams: $18 + 22 + 20 = 60$. Step 2: divide into 8 groups: $60 \div 8 = 7$ remainder 4. So each group has 7 players with 4 left over. Check: $7 \times 8 = 56$, and $60 - 56 = 4$. ✓
- Choice C is correct.** (4.NF.1) On the number line, $\frac{1}{2}$ is at position 6 and $\frac{3}{4}$ is at position 9. Since $6 < 9$, we have $\frac{1}{2} < \frac{3}{4}$.
- The correct answer is 8 in.** (4.MD.3) From area formula: $72 = 9 \times w$. Divide: $w = 72 \div 9 = 8$ in.
- 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 $3 \times \frac{1}{3} = 1$.
- Choice B is correct.** (4.NF.4) On the number line, we make 4 jumps of $\frac{1}{4}$ each, starting at 0 and landing at 1. So $4 \times \frac{1}{4} = \frac{4}{4} = 1$. The answer is **1**.
- Choice A is correct.** (4.MD.7) The diagram shows a ray splitting the angle. Subtract to find the larger part: $136^\circ - 52^\circ = 84^\circ$.
- Choice D is correct.** (4.OA.4) Find every pair that multiplies to 20: 1×20 , 2×10 , 4×5 . That's **3** factor pairs. *Tip:* go in order (1, 2, 3, ...) and stop when the pair starts to repeat.
- Choice C is correct.** (4.OA.1) Read $42 = 6 \times 7$ as “6 groups of 7.” That matches “42 is 6 times as many as 7” (choice C). The other choices describe addition, not multiplication.
- Choice A is correct.** (4.NBT.4) Subtracting from 6,001 requires regrouping across the two middle zeros. Ones: $1 < 5$, borrow from the tens—but the tens and hundreds are both 0, so borrow chains all the way to the thousands ($6 \rightarrow 5$). The two 0s become 9s; the ones becomes 11. Now: $11 - 5 = 6$, $9 - 4 = 5$, $9 - 3 = 6$, $5 - 2 = 3$. Result: **3,656**. ✓
- Choice C is correct.** (4.MD.1) Since 1 liter = 1,000 milliliters, multiply: $2 \times 1,000 = 2,000$ mL. The answer is **2,000** mL.
- Choice C is correct.** (4.G.2) An equilateral triangle has all three sides equal in length. The tick marks on all three sides confirm that each side is the same length, making this an equilateral triangle. The answer is **C**.
- Choice B is correct.** (4.NF.4) Two groups of $\frac{2}{5}$ each: $2 \times \frac{2}{5} = \frac{2 \times 2}{5} = \frac{4}{5}$.
- Choice C is correct.** (4.OA.4) The pattern should follow “add 12,” giving multiples of 12: 12, 24, 36, 48, 60, ... Looking at the list, 50 does not appear in that sequence ($48 + 12 = 60$, not 50). So **50** is the number that doesn't belong.
- Choice C is correct.** (4.MD.5) Points marked on the sides of an angle lie on the rays that form the angle.
- Choice B is correct.** (4.MD.6) An acute angle opens less wide than a right angle—it measures less than 90° . At 15° , this is a very small acute angle. The other choices are all 90° or bigger, so they cannot be acute. The answer is **15** degrees.
- The correct answer is A, B.** (4.NBT.3) Rounding to the nearest ten thousand means we look at the thousands digit of each. A ✓: In 49,999, thousands digit is $9 \geq 5$, rounds UP to 50,000. B ✓: In 51,111, thousands digit is $1 < 5$, rounds DOWN to 50,000. C: In 55,500, thousands digit is $5 \geq 5$, rounds UP to 60,000. D: In 59,999, thousands digit is $9 \geq 5$, rounds UP to 60,000. E: In 35,999, thousands digit is $5 \geq 5$, rounds UP to 40,000.
- Choice A is correct.** (4.NF.3) The bar is divided into 10 equal parts. The light coral shows $\frac{9}{10}$ and the dark red shows $\frac{1}{10}$. Together: $9 + 1 = 10$ tenths = **1** whole.
- Choice A is correct.** (4.MD.5) The angle extends to the 40° mark, so it measures **40°** .
- The correct answer is 1.** (4.G.3) The question tells us the letter has exactly one line of symmetry, so the answer is **1**.
- Choice D is correct.** (4.NBT.1) In 2,345, the thousands digit is 2. Each thousands block represents 1,000, so Maya used **2** thousands blocks. ✓
- Choice C is correct.** (4.MD.5) Each hour mark on a clock is 30° apart, so $120^\circ \div 30^\circ = 4$ marks.
- The correct answer is 90.** (4.G.1) The corner of a square is always a right angle, and a right angle is always 90° .



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Hi, Math Detective!

◇ You did such a great job! You finished 4 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

Jay Daie

Your Math Detective Helper

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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QUESTIONS