

# 6 Utah RISE

## GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**MASTER KEY MATH CONCEPTS**  
**BUILD CONFIDENCE FOR TEST DAY**

**INCLUDES COMPREHENSIVE ANSWER KEY**  
**ALIGNED STATE STANDARDS**

# 6 Utah RISE Grade 4 Math Practice Tests

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



Six 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!

Six steady rounds on the Beehive State math route

This book gives you six 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?

Six tests, 180 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 4–6	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

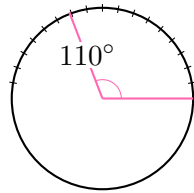
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!  
For more practice  
& answers

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1)

An angle has a measure of 110 degrees as shown. How many one-degree angles make it?

- A. 55 one-degree angles       C. 220 one-degree angles  
 B. 110 one-degree angles       D. 11 one-degree angles

2) Add:  $54,321 + 45,678 = ?$ 

- A. 99,999       C. 99,989  
 B. 100,099       D. 99,899

3) A recipe uses  $\frac{3}{4}$  cup of flour and  $\frac{2}{3}$  cup of sugar. Which amount is greater?

4) Sam's teacher cut a pie into 4 equal pieces. Sam ate 3 pieces. Which expression shows what Sam ate?

- A.  $3 \times \frac{1}{4}$        C.  $3 + 4$   
 B.  $4 \times \frac{1}{3}$        D.  $\frac{3}{3}$



5) A digit 2 in the thousands place has how many times the value of a digit 2 in the tens place?

A. 10

C. 100

B. 50

D. 1,000

6) Marcus reads  $\frac{3}{12}$  of a book each day. How much of the book does he read in 4 days?

A.  $\frac{3}{48}$  of the book

C.  $\frac{4}{12}$  of the book

B.  $\frac{12}{12}$  of the book (or the whole book)

D.  $\frac{7}{12}$  of the book

7) On a line plot with eighths:  $\frac{1}{8}$  appears 2 times,  $\frac{3}{8}$  appears 4 times, and  $\frac{7}{8}$  appears 1 time. What is the sum total of all measurements?

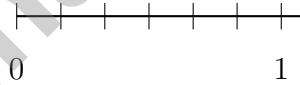
A.  $\frac{19}{8}$

C.  $\frac{21}{8}$

B.  $\frac{20}{8}$

D.  $\frac{22}{8}$

8) Diego drew hops on a number line from 0 to 1. Each hop is  $\frac{1}{6}$ . How many hops reach exactly 1?



A. 2 hops

C. 6 hops

B. 4 hops

D. 8 hops

9) Sophia reads for 15 minutes in the morning and 20 minutes in the evening. How many minutes does she read in total each day?

A. 5 minutes

C. 35 minutes

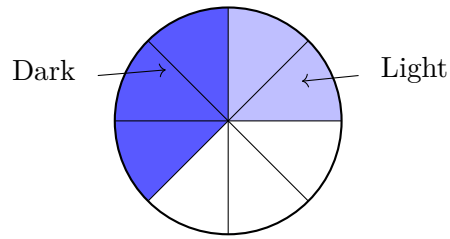
B. 25 minutes

D. 300 minutes



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10) This pie model shows  $\frac{5}{8}$  decomposed into two shaded regions:

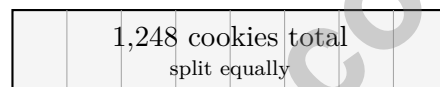


Which equation shows this decomposition?

- A.  $\frac{2}{8} + \frac{3}{8}$
- B.  $\frac{3}{8} + \frac{3}{8}$

- C.  $\frac{4}{8} + \frac{1}{8}$
- D.  $\frac{1}{8} + \frac{4}{8}$

11) The area model below shows  $1,248 \div 8$ . What is the quotient?



8 guests

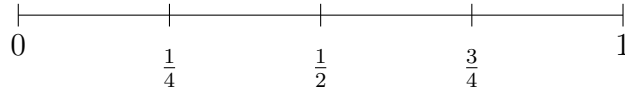
$$1,248 \div 8 = ?$$

Each guest gets ? cookies.

- A. 156
- B. 166

- C. 146
- D. 176

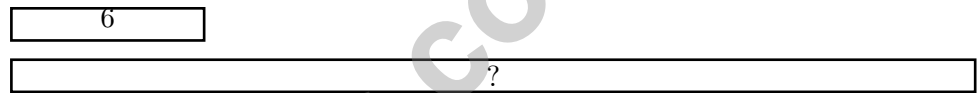
- 1) Three fractions are shown on the number line. Which is closest to 1?



- A.  $\frac{1}{4}$ 
 C.  $\frac{3}{4}$   
 B.  $\frac{1}{2}$ 
 D. All are equally close
- 2) School starts at 8:45 a.m. If school runs for 6 hours, what time does it end?

- A. 2:45 p.m.
  C. 2:45 a.m.  
 B. 3:00 p.m.
  D. 12:45 p.m.

- 3) 5 times



A baker made 6 chocolate cookies. She made 5 times as many vanilla cookies. How many vanilla cookies did she make?

- A. 11
  C. 30  
 B. 25
  D. 36
- 4) Write  $\frac{9}{10}$  as a decimal.



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& answers

5) An angle of  $150^\circ$  is split into two parts. One part measures  $85^\circ$ . What does the other part measure?

A.  $65^\circ$

C.  $235^\circ$

B.  $75^\circ$

D.  $85^\circ$

6) A clothing store received 2,736 buttons in a shipment. They sew an equal number of buttons on 6 different shirts. How many buttons go on each shirt?

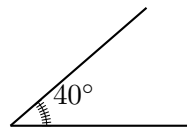
A. 454

C. 456

B. 444

D. 434

7)



An angle turns through 40 one-degree angles. What is the measure of this angle?

A.  $40^\circ$

C.  $39^\circ$

B.  $41^\circ$

D.  $80^\circ$

8) What is  $8 \times 425$ ?

A. 3200

C. 3300

B. 3500

D. 3400

9) A baker had  $3\frac{3}{5}$  cups of sugar. She used  $2\frac{1}{5}$  cups for a cake. How much sugar is left?

A.  $1\frac{2}{5}$

C.  $5\frac{4}{5}$

B.  $1\frac{1}{5}$

D.  $2\frac{2}{5}$



- 1) A line plot shows plant heights in halves of an inch. The measurements are:  $\frac{1}{2}$  in, 1 in,  $\frac{1}{2}$  in,  $\frac{3}{2}$  in, 1 in, 1 in. How many X marks should be placed at 1 inch on the line plot?



- 2) Ming has 936 marbles. She wants to pack them into bags with 9 marbles each. How many full bags can she make?

- A. 104                       C. 108  
 B. 99                         D. 114

- 3) A movie starts at 2:30 p.m. and ends at 4:15 p.m. How long is the movie?

- A. 45 minutes               C. 105 minutes  
 B. 75 minutes               D. 120 minutes

- 4) A rectangle has a width of 8 meters. The perimeter is 36 meters. What is the length?

- A. 12 m                       C. 18 m  
 B. 14 m                       D. 10 m

- 5) A baker divides 6 equal portions, each worth  $\frac{1}{12}$  of the cake. What fraction of the cake is 6 portions?

- A.  $\frac{1}{12}$                            C.  $\frac{12}{6}$   
 B.  $\frac{6}{12}$                          D.  $\frac{1}{6}$



Scan me!  
For more practice  
& answers

6) Ming collected 567 stickers and her friend gave her 234 more. How many stickers does Ming have?

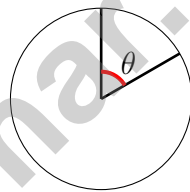
- A. 801 stickers                       C. 800 stickers  
 B. 691 stickers                       D. 891 stickers

7) A book club buys 9 bundles of books. Each bundle has 15 books. If they distribute all books to 5 libraries equally, how many books does each library receive?

- A. 24 books                               C. 30 books  
 B. 25 books                               D. 27 books

8) Which place does a digit occupy if its value is 30?

- A. Ones                                       C. Hundreds  
 B. Thousands                               D. Tens



9)

What is the measure of angle  $\theta$  shown in the diagram?

- A.  $30^\circ$                                        C.  $60^\circ$   
 B.  $45^\circ$                                        D.  $90^\circ$

10) A cake is divided into 2 equal halves. Both halves are eaten. Which shows this as a sum of unit fractions?

- A.  $\frac{1}{2}$      C.  $\frac{2}{2}$   
 B.  $\frac{1}{2} + \frac{1}{2}$                                    D.  $\frac{1}{1}$



## 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.MD.5) The diagram shows a  $110^\circ$  angle, meaning it contains **110** one-degree angles.
- Choice A is correct.** (4.NBT.4) Add by place value: ones  $1 + 8 = 9$ , tens  $2 + 7 = 9$ , hundreds  $3 + 6 = 9$ , thousands  $4 + 5 = 9$ , ten-thousands  $5 + 4 = 9$ . The sum is **99,999**.
- The correct answer is  $\frac{3}{4}$ .** (4.NF.1) Find common denominator 12:  $\frac{3}{4} = \frac{9}{12}$  and  $\frac{2}{3} = \frac{8}{12}$ . Since  $9 > 8$ ,  $\frac{3}{4}$  cup of flour is greater.
- Choice A is correct.** (4.NF.4) The pie is cut into 4 equal pieces. Each piece is  $\frac{1}{4}$  of the pie. Sam ate 3 pieces, so he ate  $3 \times \frac{1}{4} = \frac{3}{4}$  of the pie.
- Choice C is correct.** (4.NBT.1) A digit 2 in the thousands place is worth 2,000; a 2 in the tens place is worth 20. The ratio is  $2,000 \div 20 = \mathbf{100}$ . ✓
- Choice B is correct.** (4.NF.4) Marcus reads  $\frac{3}{12}$  of the book each day for 4 days. We multiply:  $4 \times \frac{3}{12} = \frac{12}{12} = 1$  whole book.
- Choice C is correct.** (4.MD.4) Multiply each measurement by its count, then add:  $(2 \times \frac{1}{8}) + (4 \times \frac{3}{8}) + (1 \times \frac{7}{8}) = \frac{2}{8} + \frac{12}{8} + \frac{7}{8} = \frac{21}{8}$ .
- Choice C is correct.** (4.NF.4) Diego hops in sixths. After 6 hops, he reaches  $6 \times \frac{1}{6} = \frac{6}{6} = 1$ .
- Choice C is correct.** (4.MD.2) Sophia reads 15 minutes in the morning and 20 minutes in the evening. Add:  $15 + 20 = 35$  minutes. She reads **35** minutes each day.
- Choice A is correct.** (4.NF.3) The pie has light blue section ( $\frac{2}{8}$ ) and dark blue section ( $\frac{3}{8}$ ). Total:  $2 + 3 = 5$ , so  $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$ . ✓
- Choice A is correct.** (4.NBT.6) Divide:  $12 \div 8 = 1$  r4, bring down the 4 to get  $44 \div 8 = 5$  r4, bring down the 8 to get  $48 \div 8 = 6$ . Each guest gets **156** cookies.
- Choice B is correct.** (4.G.3) The letter *T* has a horizontal bar across the top and a vertical stem down the middle. The vertical dashed line splits it perfectly so the left and right halves match. The answer is Yes, this is a line of symmetry.
- Choice C is correct.** (4.NF.3) Since  $\frac{3}{10} < \frac{7}{10}$ , regroup:  $5 \frac{3}{10} = 4 \frac{13}{10}$ . Subtract:  $4 \frac{13}{10} - 2 \frac{6}{10} = \mathbf{2 \frac{6}{10}}$ .
- Choice D is correct.** (4.NF.1) Both bars show the same shaded length. The denominator goes from 3 to 6 (multiply by 2), so the numerator also goes from 1 to 2:  $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$ .
- Choice C is correct.** (4.NF.3) Diego wants to give away  $\frac{5}{6}$  of his sticker sheets—that's 5 equal pieces out of 6. So  $\frac{5}{6} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ .  
5 unit fractions
- Choice D is correct.** (4.OA.4) Subtract 10 each time: 100, 90, 80, 70, 60, **50**. The 6th term is **50**.
- The correct answer is B, D.** (4.G.1) A line stretches infinitely both ways with no endpoints, and it's always straight. Segments have endpoints, so they're not the same thing, and lines can point any direction.
- Choice A is correct.** (4.NF.3) A gift was wrapped with ribbon in two parts. Add the ribbon used:  $2 \frac{3}{8} + 1 \frac{1}{8} = 3 \frac{4}{8}$  meters total.
- Choice B is correct.** (4.MD.5) An angle always has exactly **2** rays that form its sides.
- Choice A is correct.** (4.MD.7) Split the straight angle into 4 equal parts:  $180^\circ \div 4 = \mathbf{45^\circ}$ .
- The correct answer is  $\frac{75}{100}$ .** (4.NF.5) Convert the first fraction:  $\frac{4}{10} = \frac{40}{100}$ . Now add all three:  $\frac{40}{100} + \frac{25}{100} + \frac{10}{100} = \frac{75}{100}$ .
- Choice A is correct.** (4.NF.4) For  $5 \times \frac{1}{2}$ , we need 5 bars, each divided in half with one half shaded in each. Picture A shows five bars with one-half shaded in each bar. The answer is Picture A.
- Choice D is correct.** (4.OA.2) "2 times as many" means multiply by 2:  $2 \times 16 = 32$  toy cars.
- Choice A is correct.** (4.NF.5) This number line zooms in from 0.30 to 0.40, counting by hundredths. The dot lands on 0.38.
- Choice A is correct.** (4.NF.3) The number line starts at 0, hops right by  $\frac{2}{3}$ , then hops right by  $\frac{2}{3}$  again, landing at  $\frac{4}{3}$ . That's  $\frac{2}{3} + \frac{2}{3} = \frac{4}{3}$ .



## Hi, Strong Climber!

◇ You climbed all 6 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

★ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ★

### Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

**Guide's tip:** on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto: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 strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

Ideal 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 IN MATH.  
SUCCESS FOR LIFE.**

## 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.



### 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
- ✔ And More!



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Prepares Students for Test Day Success