

# 5

# Utah RISE

Standards-Aligned Review with  
Mixed Practice and Answer Key

A gold circular badge with a scalloped edge, containing the text "A+" in red. The badge is surrounded by colorful confetti and stars.

# 5 Utah RISE Grade 4 Math Practice Tests

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



Five 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



# Copyright ©

## Testinar Inc



Published by Testinar Inc

[Testinar.com](http://Testinar.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



*Copyright ©*

# Welcome, Utah Math Explorer!

Five steady rounds on the Beehive State math route

This book gives you five 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?

Five tests, 150 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 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.



Scan me!  
For more practice  
& answers

# Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	25
★ Practice Test 3	_____	37
★ Practice Test 4	_____	48
★ Practice Test 5	_____	60
<b>Practice Test Answer Keys</b>	_____	<b>71</b>
<b>Practice Test Answers and Explanations</b>	_____	<b>75</b>

1) If  $\frac{2}{3} = \frac{?}{9}$ , what is the missing number?

2) What is  $\frac{2}{5} + \frac{3}{5}$ ?

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

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

C.  $\frac{5}{5}$  or 1

D.  $\frac{6}{5}$

3) Add:  $23,567 + 14,321 = ?$

A. 37,888

B. 37,878

C. 38,888

D. 37,788

4) A triangle has all three sides of equal length. What can you say about its angles?

 A. All angles are equal and acute B. One angle is 90 degrees C. One angle is greater than 90 degrees D. The angles are different sizes

5) Sam has \$0.25. Write this amount as a fraction of a dollar.



6) A rectangular garden is divided into 6 equal plots, and the farmer uses 4 of them. Which expression shows  $\frac{4}{6}$  written as a sum of **unit fractions**?

A.  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

C.  $\frac{3}{6} + \frac{1}{6}$

B.  $\frac{2}{6} + \frac{2}{6}$

D.  $\frac{4}{6} + 0$

7) A right angle is split into two smaller angles. One angle measures  $28^\circ$  more than the other. If the smaller angle is  $31^\circ$ , what is the measure of the other angle?

A.  $59^\circ$

C.  $90^\circ$

B.  $31^\circ$

D.  $62^\circ$

8) An orchard has 3,780 apples to pack into crates of 5 apples each. How many full crates can they make?

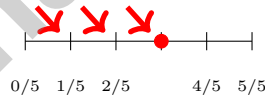
A. 750

C. 756

B. 760

D. 770

9) The number line shows jumps of  $\frac{1}{5}$  starting at 0. Where do the jumps land?



A.  $\frac{3}{5}$

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

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

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

10) Jackson has  $3\frac{5}{6}$  cups of juice. He drinks  $2\frac{2}{6}$  cups. How much juice remains?

A.  $1\frac{3}{6}$

C.  $5\frac{7}{6}$

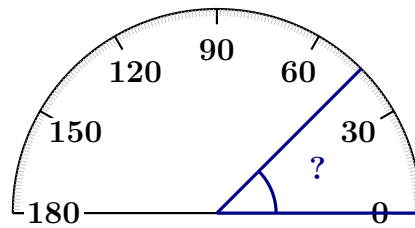
B.  $1\frac{2}{6}$

D.  $2\frac{3}{6}$



Scan me!  
For more practice  
& answers

11)



What is the measure of the angle shown in blue?

- A. 45 degrees                       C. 60 degrees  
 B. 30 degrees                       D. 90 degrees

12) Which time conversion is correct?

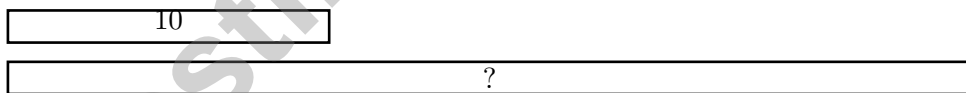
- A. 2 hours = 100 minutes                       C. 1 day = 1,200 minutes  
 B. 3 minutes = 180 seconds                       D. 4 hours = 250 minutes

13) How many unit fractions of  $\frac{1}{2}$  make up  $\frac{2}{2}$ ?

- A. 1     C. 3  
 B. 2     D. 4

14)

3 times



A garden has 10 rose bushes. A park has 3 times as many rose bushes. How many rose bushes does the park have?

- A. 13     C. 30  
 B. 27     D. 35



5) Add  $2\frac{3}{8} + 1\frac{4}{8}$ .

6) Three friends share a sub sandwich. Friend A eats  $\frac{4}{10}$ , Friend B eats  $\frac{3}{10}$ , and Friend C eats the rest. What fraction did Friend C eat?

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

B.  $\frac{7}{10}$

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

D.  $\frac{2}{10}$

7) What is  $3,248 \div 8$  with remainders shown?

A. 404 r0

B. 407 r2

C. 405 r8

D. 406 r0

8) Solve:  $\frac{4}{6} + \frac{1}{6} = ?$

A.  $\frac{5}{12}$

B.  $\frac{5}{6}$

C.  $\frac{4}{6}$

D.  $\frac{6}{6}$  or 1

9) A spinner is divided into sections by angles. Three sections measure  $50^\circ$ ,  $60^\circ$ , and  $70^\circ$ . What is their combined angle measure?

A.  $110^\circ$

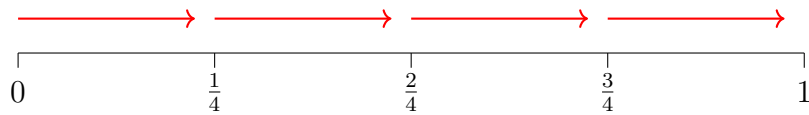
B.  $130^\circ$

C.  $180^\circ$

D.  $120^\circ$



1) A number line shows equal jumps. Use it to find how many  $\frac{1}{4}$  are in  $\frac{4}{4}$ .

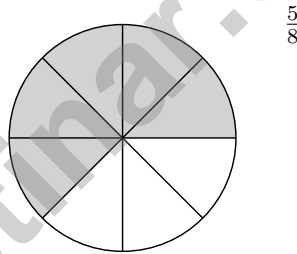


- A. 1                                       C. 3  
 B. 2                                       D. 4

2) What is  $31 \times 21$ ?

- A. 651                                       C. 551  
 B. 341                                       D. 52

3) On a pie chart divided into 8 equal slices, how many slices represent  $\frac{5}{8}$  of the pie?



- A. 2 slices                                       C. 5 slices  
 B. 3 slices                                       D. 8 slices

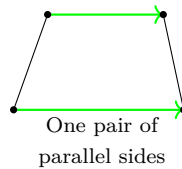
4) Which decomposition of  $\frac{9}{12}$  has three equal parts?

- A.  $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$                                        C.  $\frac{1}{12} + \frac{4}{12} + \frac{4}{12}$   
 B.  $\frac{2}{12} + \frac{3}{12} + \frac{4}{12}$                                        D.  $\frac{5}{12} + \frac{2}{12} + \frac{2}{12}$



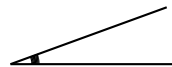
5) What is the next number in the sequence? 3, 6, 12, 24, 48, \_\_

6) Look at the figure. It has one pair of parallel sides marked with matching arrows. Which shape is it?



- A. Parallelogram                       C. Trapezoid  
 B. Rectangle                             D. Rhombus
- 7) How many lines of symmetry does a regular octagon (8-sided polygon) have?
- A. 4     C. 8  
 B. 6     D. 10

8)



What is the measure of this angle?

- A.  $10^\circ$      C.  $40^\circ$   
 B.  $20^\circ$      D.  $2^\circ$



Scan me!  
For more practice  
& answers

## 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.**

Testinar.com



Scan me!  
For more practice  
& answers

## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- The correct answer is 6.** (4.NF.1) The denominator changes from 3 to 9—that's multiply by 3. Multiply the numerator by 3 also:  $\frac{2 \times 3}{3 \times 3} = \frac{6}{9}$ .
- Choice C is correct.** (4.NF.3) Add the numerators:  $2 + 3 = 5$ . The result is  $\frac{5}{5}$ , which is exactly 1 whole.
- Choice A is correct.** (4.NBT.4) Add by place value: ones  $7 + 1 = 8$ , tens  $6 + 2 = 8$ , hundreds  $5 + 3 = 8$ , thousands  $3 + 4 = 7$ , ten-thousands  $2 + 1 = 3$ . The sum is **37,888**.
- Choice A is correct.** (4.G.2) An equilateral triangle has three equal sides and three equal angles. Each angle measures 60 degrees, which is acute (less than 90 degrees). The answer is **A**.
- The correct answer is  $\frac{25}{100}$ .** (4.NF.5) One dollar contains 100 cents. So 25 cents is  $\frac{25}{100}$  of a dollar.
- Choice A is correct.** (4.NF.3) A unit fraction has numerator 1. The farmer uses 4 plots, so we need four  $\frac{1}{6}$  pieces:  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} \checkmark$ .
- Choice A is correct.** (4.MD.7) One angle is  $28^\circ$  larger. If the smaller one is  $31^\circ$ , then:  $31^\circ + 28^\circ = 59^\circ$ .
- Choice C is correct.** (4.NBT.6) Divide:  $37 \div 5 = 7$  r2, bring down the 8 to get  $28 \div 5 = 5$  r3, bring down the 0 to get  $30 \div 5 = 6$ . The orchard makes **756** full crates.
- Choice A is correct.** (4.NF.4) Starting at 0, we make 3 jumps forward, each of size  $\frac{1}{5}$ . The final red circle shows we land at  $3 \times \frac{1}{5} = \frac{3}{5}$ .
- Choice A is correct.** (4.NF.3) Jackson starts with juice and drinks some. Subtract the amount he drinks:  $3\frac{5}{6} - 2\frac{2}{6} = 1\frac{3}{6}$  cups of juice remain.
- Choice A is correct.** (4.MD.6) The baseline of the angle starts at  $0^\circ$  on the right. Follow the second ray until it crosses the degree scale—it lines up perfectly with the 45-degree mark. The answer is **45** degrees.
- Choice B is correct.** (4.MD.1) Check each option. A: 2 hours =  $2 \times 60 = 120$  min, not 100 min. B: 3 minutes =  $3 \times 60 = 180$  seconds. Correct! C: 1 day =  $24 \times 60 = 1,440$  min, not 1,200 min. D: 4 hours =  $4 \times 60 = 240$  min, not 250 min. The answer is **B**.
- Choice B is correct.** (4.NF.3)  $\frac{2}{2}$  means the whole, which breaks into unit fractions:  $\frac{2}{2} = \frac{1}{2} + \frac{1}{2}$ . So there are **2** unit fractions of  $\frac{1}{2}$ .
- Choice C is correct.** (4.OA.2) The bar model shows the park's bar is 3 equal pieces, each the size of the garden's 10 rose bushes. Multiply:  $3 \times 10 = 30$  rose bushes.
- Choice B is correct.** (4.NF.3) Start with whole parts:  $3 - 1 = 2$ . For fractions:  $\frac{3}{4} - \frac{2}{4} - \frac{3}{4} = \frac{3}{4} - \frac{5}{4}$ . Since the fractions are being subtracted from a whole (this becomes 2 wholes minus fractions), regroup:  $2\frac{3}{4} = 1\frac{7}{4}$ , then  $1\frac{7}{4} - \frac{5}{4} = 1\frac{2}{4}$ .
- Choice B is correct.** (4.MD.2) School starts at 9:00 a.m. Add 2 hours 15 minutes:  $9:00 + 2:15 = 11:15$  a.m. Morning lessons end at **11:15** a.m.
- The correct answer is B, D.** (4.MD.5) Choice B: A half turn is  $\frac{1}{2} \times 360^\circ = 180^\circ \checkmark$ . Choice D: The minute hand from 12 to 6 is a half turn, also  $180^\circ \checkmark$ . Choice A:  $\frac{1}{4} \times 360^\circ = 90^\circ$ . Choice C:  $\frac{2}{3} \times 360^\circ = 240^\circ$ . Choice E: 12 to 3 is one-quarter, or  $90^\circ$ .
- Choice B is correct.** (4.MD.3) Perimeter is the distance around the rectangle. Use the formula  $P = 2l + 2w = 2(12) + 2(7) = 24 + 14 = 38$  m.
- Choice C is correct.** (4.NBT.1) The 5 in the thousands place is worth 5,000. The 5 in the ones place is worth 5. So  $5,000 \div 5 = 1,000$  times.  $\checkmark$
- Choice D is correct.** (4.OA.1) Compare the bars by dividing the longer by the shorter:  $12 \div 3 = 4$ . So Bar B is 4 times as long as Bar A.
- Choice B is correct.** (4.NF.1) Use  $\frac{1}{2}$  as a benchmark:  $\frac{3}{10} < \frac{1}{2}$  (only 3 out of 10 parts) but  $\frac{4}{5} > \frac{1}{2}$  (four fifths is more than half). The benchmark separates them!
- Choice D is correct.** (4.NBT.2) In a six-digit number, the leftmost digit is the hundred-thousands place. Here, that's 9  $\checkmark$
- Choice D is correct.** (4.OA.4) Check the rule:  $1 \times 5 = 5$ ,  $2 \times 5 = 10$ ,  $3 \times 5 = 15$ ,  $4 \times 5 = 20$ . The rule is "multiply by 5".  $\checkmark$



Scan me!  
For more practice  
& answers

## 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](mailto: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.

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 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.



### 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!



Visit [testinar.com/math4](https://testinar.com/math4) for additional Grade 4 math resources and practice materials.

## MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.



5 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included

A+