

# 7

# Utah

## RISE

## GRADE 4 MATH

# PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Full-Length  
Practice Tests



Standards-  
Aligned



Build Confidence  
and Skills



Mixed Question  
Types

**ANSWER  
KEY**

**INCLUDED**

# 7 Utah RISE Grade 4 Math Practice Tests

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



Seven 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!

Seven steady rounds on the Beehive State math route

This book gives you seven 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?

Seven tests, 210 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 5–7	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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For more practice  
& answers

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- 1) A jar contains  $\frac{1}{4}$  liter of honey. How much honey is in 7 jars?
- A.  $\frac{1}{28}$  liter  C.  $\frac{7}{4}$  liters  
 B.  $\frac{4}{7}$  liters  D.  $\frac{7}{28}$  liter
- 2) A bicycle wheel spins  $\frac{5}{6}$  of a full rotation. How many degrees is this?
- A.  $240^\circ$   C.  $300^\circ$   
 B.  $270^\circ$   D.  $330^\circ$
- 3) A team sells 8 boxes of cookies at a bake sale. Each box costs \$9. They split the money equally among 3 class projects. How much money does each project get?
- A. \$18  C. \$27  
 B. \$32  D. \$24
- 4) What is  $4,125 \div 5$ ?
- A. 805  C. 825  
 B. 815  D. 835
- 5) Which conversion is correct?
- A. 2 meters = 2 centimeters  C. 3 liters = 30 milliliters  
 B. 5 feet = 60 inches  D. 4 pounds = 48 ounces
- 6) Rosa had  $3\frac{2}{6}$  pizzas. She gave away  $1\frac{5}{6}$  pizzas. How much pizza does she have left?
- A.  $1\frac{1}{6}$  pizzas  C.  $1\frac{4}{6}$  pizzas  
 B.  $1\frac{3}{6}$  pizzas  D.  $2\frac{1}{6}$  pizzas



7) What does  $\frac{10}{100}$  equal?

- A.  $\frac{10}{10}$   
 B.  $\frac{1}{10}$

- C.  $\frac{0}{100}$   
 D.  $\frac{100}{100}$

8) Which fraction is in simplest form?

- A.  $\frac{2}{6}$   
 B.  $\frac{6}{12}$

- C.  $\frac{4}{10}$   
 D.  $\frac{3}{8}$

9) A factory produced 18 dolls in the morning. In the afternoon, they produced 2 times as many dolls. How many dolls did they produce in the afternoon?

- A. 20  
 B. 30

- C. 48  
 D. 36

10) Which figure does **not** have a line of symmetry?

- A. Equilateral triangle  
 B. Rectangle

- C. Scalene triangle  
 D. Isosceles triangle

11) A pattern of stars is shown:



Figure 1



Figure 2



Figure 3

How many stars are in Figure 4?

- A. 8  
 B. 9

- C. 10  
 D. 12



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12) A juice bottle holds 3 liters. If Maya drinks 750 milliliters, how many milliliters are left?

A. 750 mL

B. 1,500 mL

C. 2,250 mL

D. 3,000 mL

13) Which does NOT correctly decompose  $\frac{8}{10}$ ?

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

B.  $\frac{3}{10} + \frac{5}{10}$

C.  $\frac{2}{10} + \frac{5}{10}$

D.  $\frac{1}{10} + \frac{7}{10}$

14) Select the **TWO** statements that are true.

A. 2,345 rounded to the nearest hundred is 2,400.

B. 5,678 rounded to the nearest thousand is 6,000.

C. 3,456 rounded to the nearest hundred is 3,500.

D. 7,234 rounded to the nearest thousand is 8,000.

E. 9,999 rounded to the nearest thousand is 9,000.

15) Which pair are both factors of 36?

A. 4 and 8

B. 6 and 7

C. 6 and 9

D. 8 and 9

16) What is  $\frac{1}{4} + \frac{3}{4}$ ?

A.  $\frac{4}{8}$

B.  $\frac{4}{4}$  or 1

C.  $\frac{3}{4}$

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

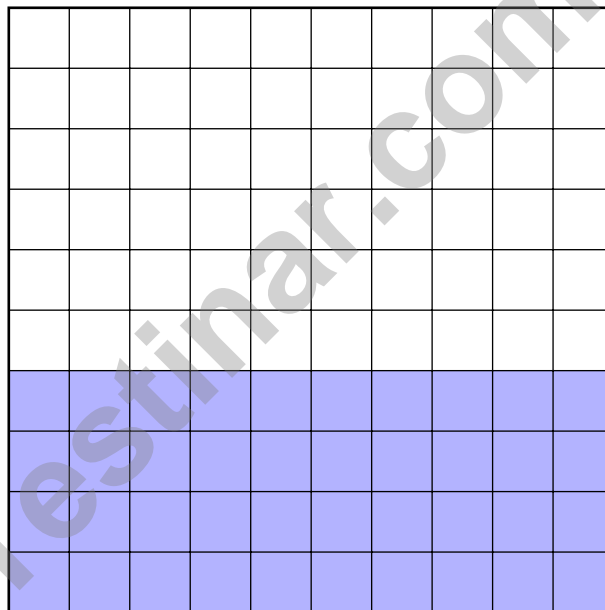


1) What is the mistake in this subtraction?

$$\begin{array}{r} 5,003 \\ -1,245 \\ \hline 4,758 \end{array}$$

- A. The student did not regroup correctly.
- B. The student added instead of subtracted.
- C. The answer is correct; there is no mistake.
- D. The student forgot to carry.

2) Look at the grid below. The shaded squares represent a fraction.



Which fraction and decimal both represent the shaded amount?

- A.  $\frac{4}{10}$  and 0.04
- B.  $\frac{40}{100}$  and 0.4
- C.  $\frac{4}{100}$  and 0.4
- D.  $\frac{40}{10}$  and 4.0



1) What is  $\frac{6}{10} - \frac{1}{10}$ ?

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

C.  $\frac{5}{20}$

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

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

2) A farmer has 1,008 apples to pack into baskets of 7 apples each. How many full baskets can he fill?

A. 142

C. 146

B. 140

D. 144

3) A container has a mass of 5 kg. If Isabella adds  $2\frac{1}{2}$  kg of apples and  $1\frac{1}{2}$  kg of oranges, what is the total mass?

A. 7 kg

C. 9 kg

B. 8 kg

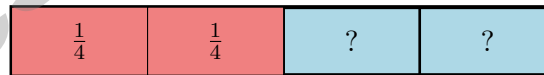
D. 10 kg

4) Which quadrilateral has four equal sides and four right angles?

 A. Rectangle

 C. Square

 B. Rhombus

 D. Trapezoid


5)

The bar shows  $\frac{2}{4}$  is shaded. If you have 3 such bars, how much is shaded in total?

A.  $\frac{6}{4}$  (or  $1\frac{1}{2}$ )

C.  $\frac{3}{4}$

B.  $\frac{2}{12}$

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



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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

- 1) **Choice C is correct.** **(4.NF.4)** Seven jars, each holding  $\frac{1}{4}$  liter of honey, give us  $7 \times \frac{1}{4} = \frac{7}{4}$  liters.
- 2) **Choice C is correct.** **(4.MD.5)** Five-sixths of the circle is  $\frac{5}{6} \times 360^\circ = 300^\circ$ .
- 3) **Choice D is correct.** **(4.OA.3)** Two steps! Step 1: total money raised: 8 boxes  $\times$  \$9 = \$72. Step 2: split equally among 3 projects:  $\$72 \div 3 = \$24$  per project.
- 4) **Choice C is correct.** **(4.NBT.6)** Long division:  $4 \div 5 = 0$  r4, bring down the 1 to get  $41 \div 5 = 8$  r1, bring down the 2 to get  $12 \div 5 = 2$  r2, bring down the 5 to get  $25 \div 5 = 5$ . Answer: **825**.
- 5) **Choice B is correct.** **(4.MD.1)** Check each option. A: 2 m = 200 cm, not 2 cm. B: 5 feet =  $5 \times 12 = 60$  inches. Correct! C: 3 L = 3,000 mL, not 30 mL. D: 4 pounds =  $4 \times 16 = 64$  ounces, not 48 oz. The answer is **B**.
- 6) **Choice B is correct.** **(4.NF.3)** Since  $\frac{2}{6} < \frac{5}{6}$ , regroup:  $3\frac{2}{6} = 2\frac{8}{6}$ . Subtract:  $2\frac{8}{6} - 1\frac{5}{6} = 1\frac{3}{6}$  pizzas.
- 7) **Choice B is correct.** **(4.NF.5)** Divide the numerator and denominator by 10 to simplify:  $\frac{10}{100} = \frac{1}{10}$ .
- 8) **Choice D is correct.** **(4.NF.1)** A simplest form fraction has no common factors (other than 1) between the numerator and denominator.  $\frac{3}{8}$  is simplest: 3 and 8 don't share any factors. The others can all be reduced.
- 9) **Choice D is correct.** **(4.OA.2)** "2 times as many" is a multiplication signal:  $2 \times 18 = 36$  dolls in the afternoon.
- 10) **Choice C is correct.** **(4.G.3)** A scalene triangle has three different side lengths and three different angles. Since nothing matches on either side, no fold line can make the two halves fit together perfectly. The answer is scalene triangle.
- 11) **Choice C is correct.** **(4.OA.4)** Count stars: Figure 1 has 1, Figure 2 has 3, Figure 3 has 6. The increases are +2, then +3. Following the pattern, the next increase is +4:  $6 + 4 = 10$  stars.
- 12) **Choice C is correct.** **(4.MD.2)** Convert 3 liters to milliliters: 3 L = 3,000 mL. Subtract what Maya drinks:  $3,000 - 750 = 2,250$  mL. There are **2,250** mL left.
- 13) **Choice C is correct.** **(4.NF.3)** Option C:  $2 + 5 = 7$ , so  $\frac{2}{10} + \frac{5}{10} = \frac{7}{10}$ , not  $\frac{8}{10}$ . The answer is **C** ✓.
- 14) **The correct answer is B, C.** **(4.NBT.3)** B ✓: In 5,678, hundreds digit is  $6 \geq 5$ , round UP to 6,000. C ✓: In 3,456, tens digit is  $5 \geq 5$ , round UP to 3,500. A: 2,345 rounds DOWN to 2,300. D: 7,234 rounds DOWN to 7,000. E: 9,999 rolls over to 10,000.
- 15) **Choice C is correct.** **(4.OA.4)** For both numbers to be factors, both must divide 36 evenly. Check:  $36 \div 6 = 6$  ✓ and  $36 \div 9 = 4$  ✓. Choice A: 8 doesn't divide 36 ( $36 \div 8 = 4$  r4); choice B: 7 doesn't divide 36; choice D: 8 doesn't divide 36.
- 16) **Choice B is correct.** **(4.NF.3)** Add numerators:  $1 + 3 = 4$ . We get  $\frac{4}{4}$ , which is one whole. When the top and bottom match, it equals 1.
- 17) **Choice A is correct.** **(4.G.2)** Examining the figure, no opposite sides appear to be parallel to each other. The single right angle marked at one corner does not indicate that opposite sides are parallel. The answer is **A**.
- 18) **Choice B is correct.** **(4.NF.5)** Diego made a mistake.  $\frac{8}{10}$  is eight tenths = 0.8, not 0.08. The decimal 0.08 would be eight hundredths.
- 19) **Choice C is correct.** **(4.MD.4)** Count all the X marks across the entire line plot:  $1 + 2 + 3 + 1 + 1 = 8$  data points in total.
- 20) **The correct answer is  $2\frac{1}{4}$ .** **(4.NF.4)** Triple means multiply by 3. We take 3 copies of  $\frac{3}{4}$ :  $3 \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$ . The answer is  $2\frac{1}{4}$ .
- 21) **Choice A is correct.** **(4.NF.1)** Find common denominator 12:  $\frac{5}{6} = \frac{10}{12}$  and  $\frac{3}{4} = \frac{9}{12}$ . Since  $\frac{10}{12} > \frac{9}{12}$ , Noah used more paint.
- 22) **Choice B is correct.** **(4.NF.4)** Every fraction in Ava's list counts by halves:  $\frac{1}{2}, \frac{2}{2}, \frac{3}{2}, \frac{4}{2}, \frac{5}{2}$ . Each one is a multiple of  $\frac{1}{2}$ .
- 23) **Choice D is correct.** **(4.NBT.4)** In the ones place:  $0 < 8$ , so regrouping is needed. The tens place is zero, so we must regroup from the hundreds place.
- 24) **Choice A is correct.** **(4.G.1)** Look for the small square symbol in the corner — that's geometry's way of saying "this is a right angle!" Only Diagram A has that special marker.
- 25) **Choice A is correct.** **(4.MD.5)** Since 84 degrees is less than 90 degrees (a right angle), it is acute.
- 26) **The correct answer is 0.70.** **(4.NF.5)** A trailing zero doesn't change the value. Both 0.7 and 0.70 equal the same amount.



**A Note From Your Math Friend**

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**Hi, Math Star!**

◇ Wow! You finished 7 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 7 tests, you learned that trying is the most important thing. ★

**Look What You Did!**

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

**Big tip for test day:** take your time. Read each problem twice. Show your work. Check your answer. You can do this!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

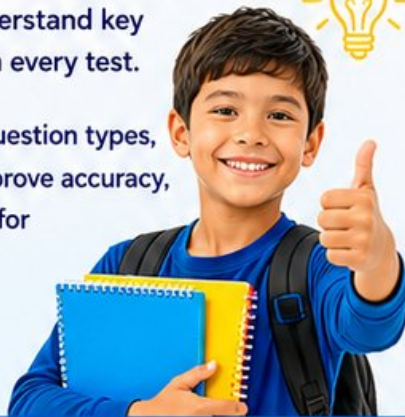
**Jay Daie**

Your Math Friend

# 7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



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- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Confidence Building
- ✓ Skill Reinforcement

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SUCCESS FOR LIFE.

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### 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.



### Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
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