

3

Utah RISE

GRADE 4

MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**5 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
QUESTIONS**



**ANSWER KEY
INCLUDED**

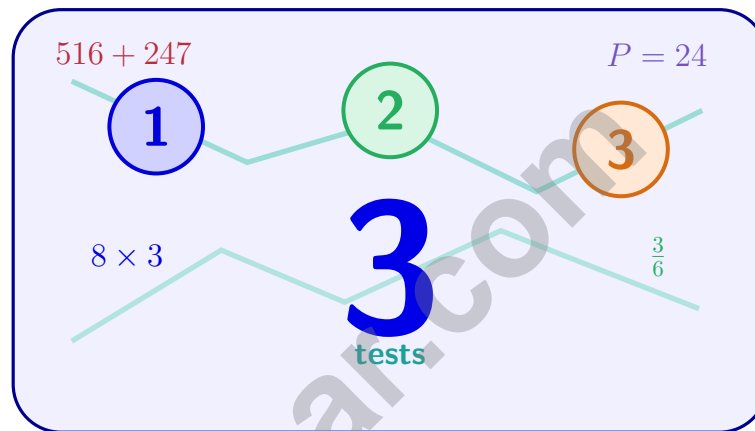
$$a^2 + b^2 = c^2$$

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



3 Utah RISE Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Utah RISE strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Utah Math Explorer!

Three steady rounds on the Beehive State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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.

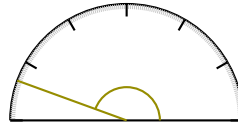


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& answers

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6)



What is the measure of the angle shown?

- A. 150 degrees C. 170 degrees
 B. 140 degrees D. 160 degrees
- 7) Ava's pencil is 19 centimeters long. Diego's pencil is 24 centimeters long. What is the difference in length?
- A. 5 cm C. 43 cm
 B. 7 cm D. 19 cm
- 8) How many pairs of parallel sides does a parallelogram have?

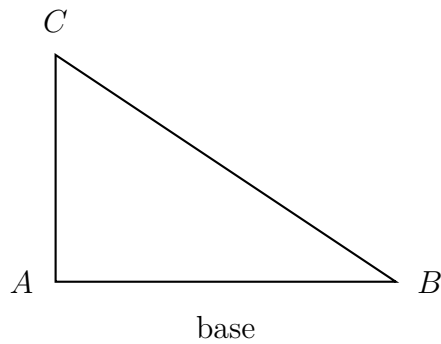


- 9) If an angle has 38 one-degree angles, what is its measure?
- A. 38° C. 76°
 B. 19° D. 380°
- 10) What is $7\frac{4}{10} - 2\frac{5}{10}$?
- A. $4\frac{8}{10}$ C. $5\frac{1}{10}$
 B. $4\frac{9}{10}$ D. $5\frac{9}{10}$



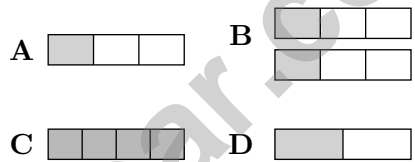
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11) Look at this right triangle. Does it have any lines of symmetry?



- | | |
|---|---|
| <input type="checkbox"/> A. Yes, it has 1 line | <input type="checkbox"/> C. No, it has 0 lines |
| <input type="checkbox"/> B. Yes, it has 2 lines | <input type="checkbox"/> D. Yes, it has 3 lines |

12) Which picture shows $2 \times \frac{1}{3}$?



- | | |
|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> A. Picture A | <input type="checkbox"/> C. Picture C |
| <input type="checkbox"/> B. Picture B | <input type="checkbox"/> D. Picture D |

13) What is the vertex of an angle?

- | | |
|---|--|
| <input type="checkbox"/> A. One of the rays forming the angle | <input type="checkbox"/> C. The space between the two rays |
| <input type="checkbox"/> B. The point where the two rays meet | <input type="checkbox"/> D. The endpoint of a line segment |

1) Which expression equals 1?

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

B. $\frac{2}{3} + \frac{2}{3}$

C. $\frac{5}{6} + \frac{1}{6}$

D. $\frac{3}{4} + \frac{2}{4}$

2) What decimal has 3 tenths and 7 hundredths?

A. 0.73

B. 0.37

C. 3.7

D. 0.307

3) What is the value of the digit 5 in the number 5,204?

A. 5

B. 50

C. 500

D. 5,000

4) A bakery makes 6 batches of cookies. Each batch has 25 cookies. They box the cookies in groups of 8 per box. How many complete boxes can they make?

A. 19

B. 17

C. 20

D. 18

5) A pot has 8 cups of soup. Two friends share the soup equally. How many cups does each person get?

A. 2 cups

B. 4 cups

C. 6 cups

D. 8 cups



6) Which fraction equals $\frac{50}{100}$?

- A. $\frac{1}{10}$
 B. $\frac{5}{10}$

- C. $\frac{50}{10}$
 D. $\frac{10}{100}$

7) Which fraction is greater than 1?

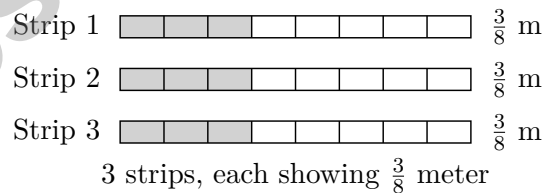
- A. $\frac{3}{4}$
 B. $\frac{5}{6}$

- C. $\frac{5}{4}$
 D. $\frac{7}{8}$

8) An acute angle measures less than how many degrees?

9) Maria draws an angle that is slightly more than 90° . What type of angle did she draw?

- A. An acute angle
 B. A right angle
 C. An obtuse angle
 D. A straight angle



10)

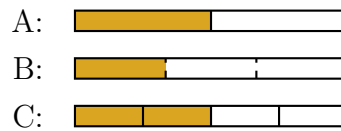
Each ribbon strip is $\frac{3}{8}$ meter. What is the total length of 3 strips?

- A. $\frac{9}{8}$ meters (or $1\frac{1}{8}$ meters)
 B. $\frac{3}{24}$ meter
 C. $\frac{9}{24}$ meter
 D. $\frac{3}{3}$ meter



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1) Which two models show equivalent fractions?



A. Models A and B

C. Models B and C

B. All three

D. Models A and C

2) Which number is prime?

A. 18

C. 16

B. 14

D. 13

3) Which decimal is between 0.3 and 0.4?

A. 0.25

C. 0.45

B. 0.35

D. 0.05

4) What is $3\frac{5}{12} + 2\frac{4}{12}$?

A. $5\frac{8}{12}$

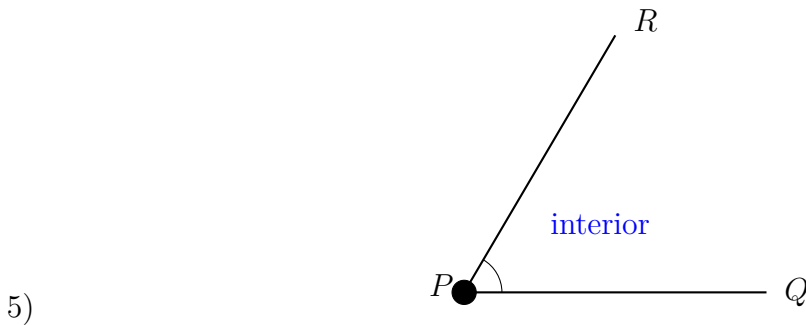
C. $5\frac{9}{12}$

B. $6\frac{1}{12}$

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



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Which part of the angle is labeled blue?

- A. The vertex
- B. The sides
- C. The interior
- D. The exterior
- 6) Maya has a ribbon 11 inches long cut into 11 equal pieces. She uses 6 pieces. What fraction of the ribbon does she use as a sum of unit fractions?
- A. 6 copies of $\frac{1}{11}$
- B. 11 copies of $\frac{1}{11}$
- C. 6 copies of $\frac{1}{6}$
- D. 5 copies of $\frac{1}{11}$
- 7) Which decimal represents $\frac{7}{10}$?
- A. 0.07
- B. 0.7
- C. 7.0
- D. 0.77
- 8) Jasmine reads 10 pages. Marcus reads 2 times as many pages. How many pages do they read together?
- A. 20
- B. 10
- C. 15
- D. 30



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 D is correct.** (4.OA.3) Two steps! Step 1: total flowers after planting more: $200 + 40 = 240$. Step 2: divide equally into 8 sections: $240 \div 8 = 30$ flowers per section.
- Choice A is correct.** (4.NF.3) Check both decompositions in choice A by adding numerators. First way: $6 + 4 = 10$, so $\frac{6}{12} + \frac{4}{12} = \frac{10}{12}$ ✓. Second way: $5 + 5 = 10$, so $\frac{5}{12} + \frac{5}{12} = \frac{10}{12}$ ✓. Both ways break $\frac{10}{12}$ apart differently but equal the same total. *Why other options fail:* B's second pair sums to $11/12$; C's second sum is $11/12$; D's second sum is only $9/12$.
- Choice C is correct.** (4.NBT.2) From right to left: ones, then tens. In 7,846, the tens digit is 4 ✓
- Choice C is correct.** (4.MD.4) The smallest measurement is $\frac{2}{8}$ and the largest is $\frac{6}{8}$. The range is $\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$.
- Choice C is correct.** (4.NF.3) A difference of 0 means the fractions are identical. A: $\frac{4}{8} - \frac{3}{8} = \frac{1}{8}$ (not 0). B: $\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$ (not 0). C: $\frac{3}{5} - \frac{3}{5} = 0$ ✓. D: $\frac{5}{12} - \frac{7}{12} =$ negative (not 0).
- Choice D is correct.** (4.MD.6) The ray points to the 160° mark, which is very close to the 180° straight angle. At 160° , this is a wide obtuse angle. The answer is **160** degrees.
- Choice A is correct.** (4.MD.2) Diego's pencil is 24 cm and Ava's is 19 cm. Find the difference by subtracting: $24 - 19 = 5$ cm. The difference is **5** centimeters.
- The correct answer is 2.** (4.G.2) A parallelogram is defined by two pairs of opposite sides that are parallel to each other. The answer is **2**.
- Choice A is correct.** (4.MD.5) An angle made of 38 one-degree angles has a measure of **38°** .
- Choice B is correct.** (4.NF.3) Since $\frac{4}{10} < \frac{5}{10}$, regroup: $7\frac{4}{10} = 6\frac{14}{10}$. Subtract: $6\frac{14}{10} - 2\frac{5}{10} = 4\frac{9}{10}$.
- Choice C is correct.** (4.G.3) This right triangle has legs of different lengths, making it lopsided. No fold line can create two matching halves because one side is longer than the other. The answer is No, it has 0 lines.
- Choice B is correct.** (4.NF.4) Picture B shows two bars: the top bar has $\frac{1}{3}$ shaded, and the bottom bar also has $\frac{1}{3}$ shaded. Together they show $1 + 1 = 2$ copies of $\frac{1}{3}$.
- Choice B is correct.** (4.G.1) The vertex is simply the corner point where the two rays come together to form the angle — it's like the tip of a pencil or the corner of a piece of paper.
- Choice C is correct.** (4.OA.1) "3 times as many" is a multiplication clue. Make 3 groups of the 5 green marbles: $5 \times 3 = 15$ red marbles. Choice C is the equation that shows this.
- Choice A is correct.** (4.NF.5) Three dimes = $\frac{3}{10}$ dollar, and thirty pennies = $\frac{30}{100}$ dollar. They're equal!
- The correct answer is D, E.** (4.NF.4) Check each option: A gives $\frac{3}{4}$, B gives $\frac{2}{3}$, C gives $\frac{2}{3}$. Only D ($5 \times \frac{1}{5} = 1$) and E ($2 \times \frac{1}{2} = 1$) equal 1 whole.
- Choice C is correct.** (4.NF.3) Isabella baked many cookies but sold some. Subtract the sold amount from the total: $4\frac{1}{2} - 1\frac{1}{2} = 3\frac{1}{2}$ trays of cookies left.
- Choice A is correct.** (4.NF.5) Roughly four columns (out of 10) are shaded. That's about 40 out of 100 squares: $\frac{40}{100} = 0.40 = 0.4$.
- The correct answer is 8,600.** (4.NBT.3) We're rounding to the nearest hundred. Look at the tens digit: 4. Since $4 < 5$, round DOWN. Ming has about **8,600** stickers. ✓
- Choice A is correct.** (4.MD.5) 180° is exactly twice as large as 90° : $180^\circ = 2 \times 90^\circ$. So **180°** is 2 times **90°** .
- Choice A is correct.** (4.NF.5) From the table: 5 tenths = 0.5 and 8 hundredths = 0.08. Add: $0.5 + 0.08 = 0.58$.
- Choice C is correct.** (4.NF.1) Diego is right that $\frac{4}{8} = \frac{2}{4}$ —they're equivalent. But $\frac{2}{4}$ isn't simplest form yet. Keep simplifying: $\frac{2}{4} = \frac{1}{2}$, which is the simplest!
- Choice A is correct.** (4.NF.1) $\frac{2}{100}$ is tiny (close to 0), while $\frac{99}{100}$ is almost 1. So $\frac{2}{100} < \frac{99}{100}$. The benchmark fractions 0 and 1 show the comparison clearly.
- Choice B is correct.** (4.MD.5) The angle shown has a perfect square corner, which is a right angle.
- Choice D is correct.** (4.NBT.1) Moving the digit 4 from tens (40) to thousands (4,000) increases its value by the ratio $4,000 \div 40 = 100$ times. ✓



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Hi, Math Athlete!

◇ 3 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.

Jay Daie

Your Math Trainer

PRACTICE TODAY. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 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.



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
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
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