

8

Utah

RISE

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



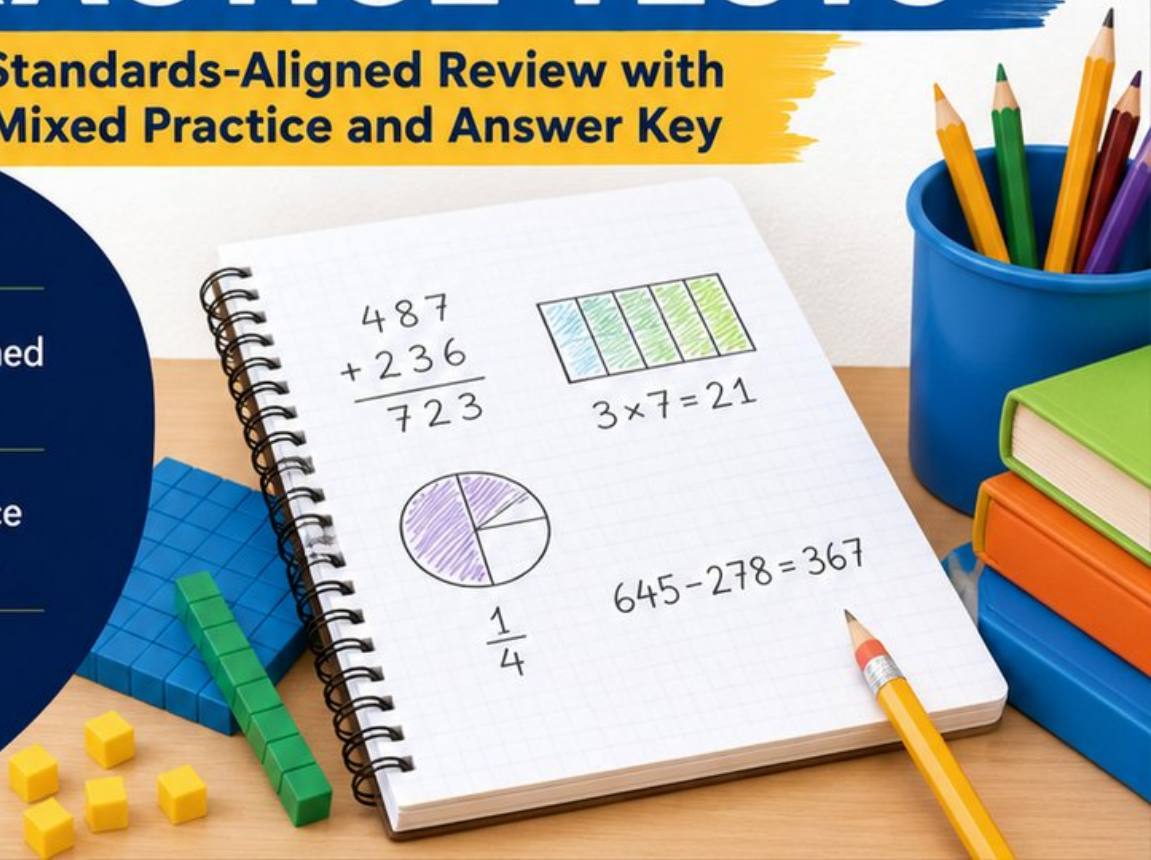
Standards-Aligned
Questions



Build Confidence
and Math Skills



Answer Key
Included



8 Utah RISE Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question practice rounds for Grade 3 math:
operations, fractions, measurement, data, area, shapes, answer keys,
and clear explanations for every item.

Jay Daie and Reza Nazari



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Utah, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the Utah RISE. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Utah has red-rock arches, canyon trails, mountain snow, salt flats, and shape-filled views, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and use shapes and patterns to plan the work.

Your Utah Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

Eight rounds. Thirty questions each. One careful step at a time.

How to Use This Book

A simple eight-round routine for confident review

Use this Utah book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

Best review habit: In Utah, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



What Is Inside the Eight Tests?

Mixed Grade 3 math practice for the RISE

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

Utah focus: The practice path starts with red-rock arches, canyon trails, mountain snow, salt flats, and shape-filled views. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	26
★ Practice Test 3	_____	38
★ Practice Test 4	_____	50
★ Practice Test 5	_____	63
★ Practice Test 6	_____	75
★ Practice Test 7	_____	87
★ Practice Test 8	_____	100
Practice Test Answer Keys	_____	112
Practice Test Answers and Explanations	_____	117

1) Which number rounds to 400 when rounded to the nearest 100?

- A. 349 C. 449
 B. 345 D. 451

2) How many sides does a square have?



3) Which list shows skip counting by 4s?

- A. 2, 4, 6, 8, 10 C. 3, 6, 9, 12, 15
 B. 5, 10, 15, 20, 25 D. 4, 8, 12, 16, 20

4) Look at this rectangle covered exactly by unit squares:



Count the unit squares. What is the area?

- A. 7 sq units C. 14 sq units
 B. 12 sq units D. 24 sq units

5) A rectangular poster has an area of 45 square inches. The width of the poster is 5 inches. Find the length of the poster. (Hint: Area = length \times width.)

- A. 9 inches C. 50 inches
 B. 8 inches D. 40 inches



9) A rectangular rug has length 7 feet and width 6 feet. What is its area?

A. 42 sq ft

C. 13 sq ft

B. 26 sq ft

D. 49 sq ft

10) $\frac{2}{3} = \frac{?}{6}$. What number goes in the box?

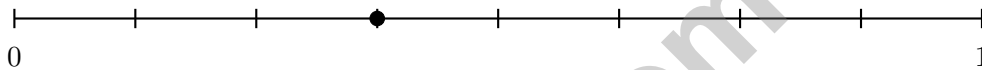
A. 3

C. 5

B. 4

D. 6

11) A number line goes from 0 to 1 and has 8 equal parts. The point shown is at which fraction?



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

C. $\frac{3}{8}$

B. $\frac{2}{8}$

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

12) Ava has two square tiles. One tile has an area of 9 square inches. The other has an area of 16 square inches. Which tile is smaller?

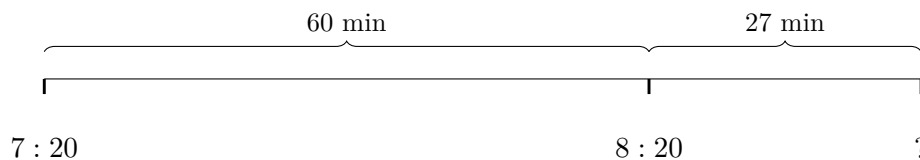
A. The 9 square inch tile

C. Both tiles are the same size

B. The 16 square inch tile

D. Cannot be determined

13) A movie starts at 7 : 20 PM. The actual movie is 87 minutes long. What time does the movie end?



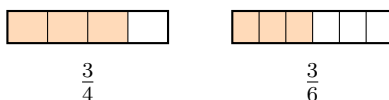
A. 8 : 37 PM

C. 8 : 53 PM

B. 8 : 47 PM

D. 9 : 00 PM





1)

Using the bars, which is larger?

- A. $\frac{3}{4}$ (shaded area bigger) C. They are equal
 B. $\frac{3}{6}$ (has 6 pieces) D. Cannot tell from the bars

2) Look at this problem. Which property of multiplication lets you group the factors differently?

$$(2 \times 3) \times 4 = 2 \times (3 \times 4)$$

- A. Distributive property C. Identity property
 B. Commutative property D. Associative property

3) A unit square in centimeters has side length 1 cm. What is the area of the unit square in square centimeters?

4) A baker has 42 cookies to pack equally into 6 bags. After packing 2 bags, how many cookies are left in the remaining bags? Let c represent the cookies in the remaining bags. Which equation shows the correct steps?

- A. $c = 42 \div 6 \times 4$ C. $c = 42 - 2 \times 6$
 B. $c = (42 \div 6) \times (6 - 2)$ D. $c = 6 \times 2 - 42$



5)

×	1	2	3	4
2	2	4	6	8

All highlighted products are even. Why?

- A. Because they are in a table C. Because the numbers are small
 B. Because they have 4 entries D. Because they are multiplied by 2
- 6) Eli marks $\frac{1}{6}$ on a number line from 0 to 1 divided into 6 equal parts. Then he marks $\frac{5}{6}$. Which point is closer to the right end of the line?
- A. $\frac{5}{6}$ C. Neither is close to the end
 B. Both are equally close D. $\frac{1}{6}$
- 7) A garden has 4 rows of flowers. Each row has 7 flowers. How many flowers are in the garden?
- A. 24 flowers C. 32 flowers
 B. 11 flowers D. 28 flowers
- 8) Two identical sandwiches are served. Sandwich A is cut into 4 pieces with 1 eaten. Sandwich B is cut into 8 pieces with 2 eaten. How much is left uneaten?
- A. Same amount is left. C. Sandwich B has more left.
 B. Sandwich A has more left. D. Cannot tell.
- 9) Round 325 to the nearest 100.
- A. 300 C. 325
 B. 320 D. 400



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1) A square has side length 4 cm. What is the area of the square?

- A. 8 sq cm C. 16 sq cm
 B. 12 sq cm D. 20 sq cm

2) Which missing divisor makes the number sentence true?

$$24 \div _ = 4$$

- A. 6 C. 28
 B. 20 D. 8

3) A circle is divided into 3 equal parts. Two parts are shaded. What fraction of the circle is NOT shaded?



4) A rectangle has 5 rows of unit squares and 2 columns of unit squares. What is the area?

- A. 7 C. 14
 B. 10 D. 52

5) Look at this subtraction: $751 - 329 = 412$. Is this correct or incorrect?

- A. Correct C. Incorrect; the answer should be 522
 B. Incorrect; the answer should be 432 D. Incorrect; the answer should be 422





$\frac{1}{3}$

$\frac{1}{6}$

6)

Which symbol makes this true? $\frac{1}{3}$ _____ $\frac{1}{6}$

A. <

C. =

B. >

D. ≠

7) Round 158 to the nearest 100.

A. 100

C. 158

B. 150

D. 200

8) A juice box holds 200 mL. If a student drinks 3 juice boxes, how many milliliters does he drink?

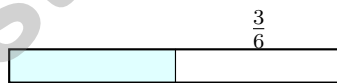
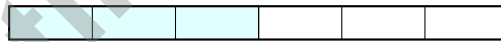
A. 200 mL

C. 600 mL

B. 400 mL

D. 800 mL

9) Find a fraction equivalent to $\frac{3}{6}$. Look at the bars.



?

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

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

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

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



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Practice Test Answer Keys

How to use this section with a Grade 3 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.** **(3.NBT.1)** Numbers from 350 to 449 round to 400. The number 449 has tens $4 < 5$, so it rounds down to 400.
- 2) **The correct answer is 4 sides.** **(3.G.1)** A square has 4 sides.
- 3) **Choice D is correct.** **(3.OA.9)** Skip counting by 4 means adding 4 each time: $4 + 4 = 8$, $8 + 4 = 12$, etc.
- 4) **Choice B is correct.** **(3.MD.6)** Count the rows: 3 rows. Count across: 4 unit squares per row. Total: $3 \times 4 = 12$ unit squares cover the rectangle, so area is 12 square units.
- 5) **Choice A is correct.** **(3.OA.3)** Use division: $45 \div 5 = 9$ inches. Check: $9 \times 5 = 45$ square inches. ✓
- 6) **Choice A is correct.** **(3.MD.2)** 200 g is the largest mass.
- 7) **Choice A is correct.** **(3.MD.7)** The width is 4 for both parts. The heights are 7 and 5, split by a horizontal line.
- 8) **Choice B is correct.** **(3.MD.5)** Part 1: $5 \times 3 = 15$ sq m. Part 2: $4 \times 2 = 8$ sq m. Total: $15 + 8 = 23$ sq m.
- 9) **Choice A is correct.** **(3.MD.7)** Area = $7 \times 6 = 42$ square feet.
- 10) **Choice B is correct.** **(3.NF.3)** The denominator was multiplied by 2 (from 3 to 6). Multiply the numerator by 2: $2 \times 2 = 4$. So $\frac{2}{3} = \frac{4}{6}$.
- 11) **Choice C is correct.** **(3.NF.2)** The dot is at the 3rd mark out of 8 equal divisions, so the fraction is $\frac{3}{8}$.
- 12) **Choice A is correct.** **(3.MD.5)** The tile with an area of 9 square inches is smaller than the tile with 16 square inches. Smaller area means less space inside.
- 13) **Choice B is correct.** **(3.MD.1)** $7 : 20 + 87 \text{ min} = 7 : 20 + 60 \text{ min} + 27 \text{ min} = 8 : 20 + 27 \text{ min} = 8 : 47 \text{ PM}$.
- 14) **Choice A is correct.** **(3.OA.4)** Multiply: $6 \times 8 = 48$, so the divisor is 8.
- 15) **Choices A and B are correct.** **(3.NF.3)** With the same numerator 1, smaller denominators give larger fractions. Thirds and fourths are smaller than halves. C equals one whole (larger), D equals $\frac{1}{2}$ (not less), and E is greater than $\frac{1}{2}$.
- 16) **Choice A is correct.** **(3.MD.8)** Since area = length \times height, we have $18 = \text{length} \times 3$. Therefore, length = $18 \div 3 = 6$ meters. Choice B (15) subtracts from area; C (21) adds; D (9) is half of area.
- 17) **Choice B is correct.** **(3.G.2)** The bar shows 4 halves. 4 halves make 2 whole units. $\frac{4}{2} = 2$.
- 18) **Choice D is correct.** **(3.OA.1)** Sharing equally among people is division. Each person gets $30 \div 5 = 6$ items.
- 19) **Choice B is correct.** **(3.MD.6)** The grid is $5 \times 2 = 10$ unit squares = 10 square units.
- 20) **Choice A is correct.** **(3.OA.8)** Step 1: Total cards: $6 \times 4 = 24$ cards. Step 2: Subtract lost: $24 - 8 = 16$ cards.
- 21) **Choice A is correct.** **(3.OA.5)** Option A shows 6 rows and 3 columns. By the commutative property, $3 \times 6 = 6 \times 3 = 18$. Flipping rows and columns shows the same product in a different order.
- 22) **Choice C is correct.** **(3.MD.6)** Area of a square = $4 \times 4 = 16$ square feet.
- 23) **The correct answer is 7.** **(3.OA.6)** $56 \div 8 = 7$ because $7 \times 8 = 56$. Division and multiplication are inverse operations.
- 24) **Choice C is correct.** **(3.MD.3)** Count the stars and multiply by the scale: $3 \times 2 = 6$ stickers.
- 25) **Choice A is correct.** **(3.NBT.2)** Ones: $0 - 7$ requires regrouping, so $10 - 7 = 3$. Tens: $1 - 8$ requires regrouping, so $11 - 8 = 3$. Hundreds: $5 - 3 = 2$. Answer: 233.
- 26) **Choice B is correct.** **(3.NBT.3)** $4 \times 70 = 4 \times 7 \times 10 = 28 \times 10 = 280$. Marcus added two zeros instead of one.
- 27) **Choice A is correct.** **(3.G.2)** A single vertical line through the middle divides this rectangle into 2 equal parts.
- 28) **Choice B is correct.** **(3.NF.3)** $\frac{1}{2}$ and $\frac{2}{4}$ represent the same amount. Both show half of a whole.
- 29) **Choice D is correct.** **(3.NF.2)** $\frac{2}{4} = \frac{1}{2}$ because both represent one-half of their respective bars.
- 30) **Choice C is correct.** **(3.MD.4)** Range = maximum - minimum = $10 - 8 = 2$ ounces.

Practice Test 2 Answers and Explanations



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Hi, Math Builder!

◇ Through 8 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

Jay Daie

Your Math Builder

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PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



EACH PRACTICE TEST INCLUDES:



Standards-
Aligned
Questions



Variety of
Question
Types



Real-World
Math
Applications



Step-by-Step
Progress
Tracking



Build Skills
and Boost
Confidence

COVERS ALL ESSENTIAL TOPICS

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- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
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- ✓ Graphing & Data Analysis
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