

9

Utah RISE

GRADE 3 MATH PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE,
WORD PROBLEMS, AND ANSWER KEY



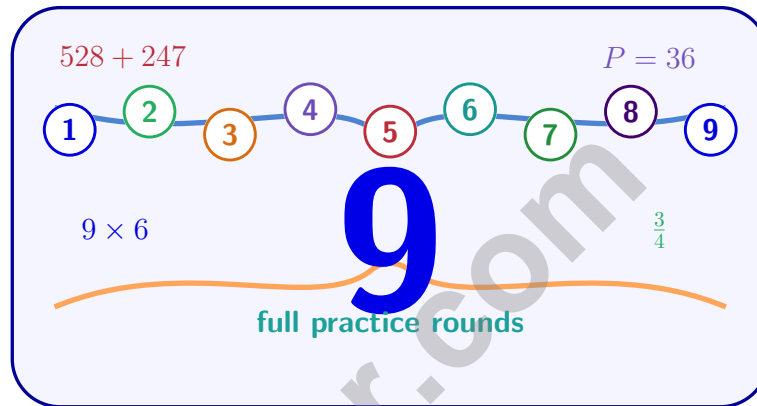
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FOR THE COMPREHENSIVE ASSESSMENT PROGRAM



9 Utah RISE Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

Jay Daie and Reza Nazari



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Utah, Start Your Nine-Round Math Quest

A bright Grade 3 mission from first try to confident finish

This book gives you nine chances to practice like a thoughtful Utah RISE test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly.

Utah has red-rock arches, canyon trails, mountain snow, salt flats, and shape-filled views, where careful steps matter. Strong math follows that same idea: compare what the question asks, choose a useful tool, show the work, and measure before moving on.

Your Utah Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

Nine rounds is not about rushing. It is about building a math habit that stays strong.

How to Use This Book

A nine-session routine for clear Utah review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

Good rhythm: Test one day, review the next day, then take the next test when your corrections feel clear. In Utah, that steady routine turns nine tests into one organized prep plan.



What Is Inside the Nine Tests?

Mixed Grade 3 practice with RISE support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A Utah standards reference and standard-code boxes in explanations

Why mixed practice helps: Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.



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For more practice
& answers

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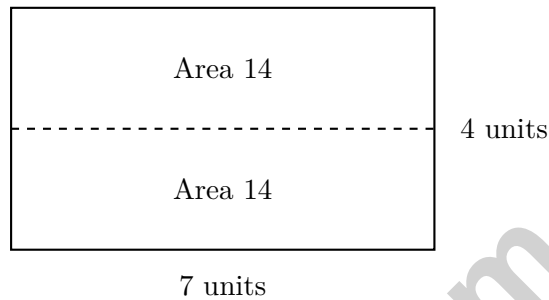
★ Practice Test 1	_____	14
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1) Which fraction equals 1 whole?

- A. $\frac{2}{4}$
 B. $\frac{3}{3}$

- C. $\frac{1}{3}$
 D. $\frac{1}{4}$

2) A rectangle has this tiling:



Which sum of the two smaller areas gives the total area?

- A. $7 \times 2 = 14$
 B. $7 \times 3 = 21$

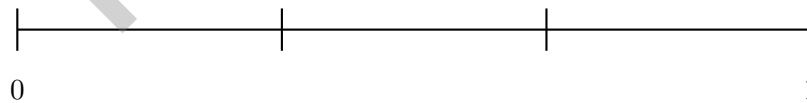
- C. $14 + 14 = 28$
 D. $7 + 4 = 11$

3) Which of these equals 8×3 ?

- A. $8 + 3 = 11$
 B. $3 \times 3 = 9$

- C. $8 + 8 = 16$
 D. $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 24$

4) On a number line from 0 to 1 with 3 equal parts, which fraction is NOT a tick mark?

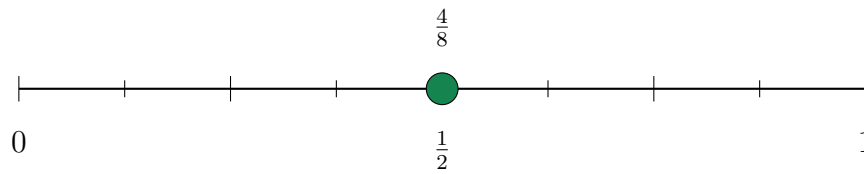


- A. $\frac{1}{3}$
 B. $\frac{2}{3}$

- C. $\frac{3}{3}$
 D. $\frac{1}{4}$



8) Look at the number line. Where does $\frac{4}{8}$ land?



- A. At $\frac{1}{4}$
- B. At $\frac{1}{2}$

- C. At $\frac{3}{4}$
- D. At $\frac{1}{8}$

9) If a number line from 0 to 3 is divided into thirds, how many thirds tall is the entire line?



2 units

10)

5 units

What is the area of this rectangle?

- A. 7 sq units
- B. 10 sq units

- C. 12 sq units
- D. 15 sq units

1) Lily buys 3 packages of toy cars. Each package has 40 toy cars. How many toy cars does Lily buy?

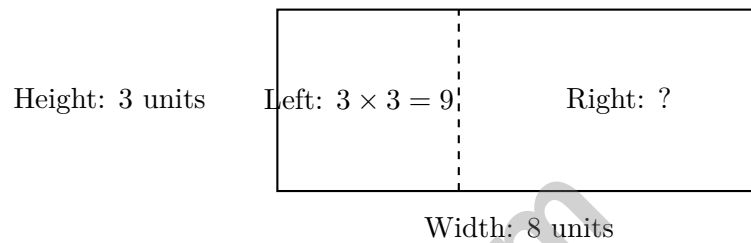
A. 34

C. 120

B. 43

D. 1200

2) A rectangle shown with a split:



If the total area is 24, what is the right part's area?

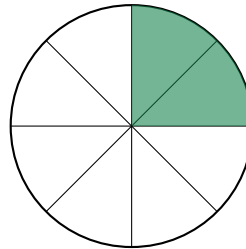
A. 15 square units

C. 12 square units

B. 5 square units

D. 8 square units

3) A pizza is cut into 8 equal slices. Noah eats 2 slices. What fraction of the pizza does Noah eat?



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

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

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

D. $\frac{6}{8}$



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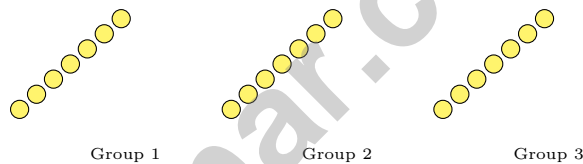
4) Sam solved this problem: $\square \times 8 = 56$. He wrote the answer $\square = 7$. Is his answer correct?

- A. Yes, because $7 \times 8 = 56$.
 C. No, the correct answer is 8.
- B. No, the correct answer is 6.
 D. No, the correct answer is 9.

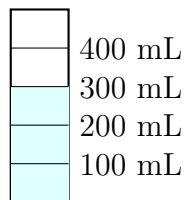
5) In a multiplication table, $2 \times 6 = 12$ and $6 \times 2 = 12$. Why does this pattern always happen?

- A. Because 2 and 6 are different numbers
 C. Because 12 is an even number
- B. Because the table is square-shaped
 D. Because multiplication order does not change the product

6) A farmer has 3 groups of chickens with 7 chickens in each group. He sells 6 chickens. How many chickens does the farmer have left?



- A. 12
 C. 21
- B. 27
 D. 15



7)

The beaker shows liquid to the 300 mL mark. If we pour out half the liquid, how much remains?

- A. 100 mL
 C. 200 mL
- B. 150 mL
 D. 300 mL

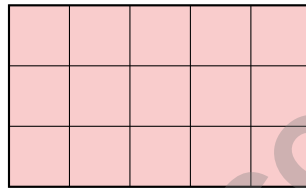


1) Which shows how many unit fractions of $\frac{1}{3}$ are needed to make a whole?

- A. 1 unit fraction C. 3 unit fractions
 B. 2 unit fractions D. 6 unit fractions

2) On a number line from 0 to 1 divided into 4 equal parts, how many unit fractions $\frac{1}{4}$ fit between 0 and the second tick?

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

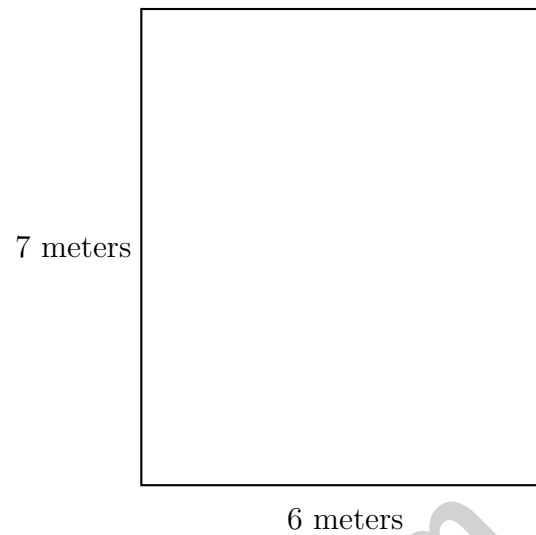


3)

Count all unit squares in this grid. What is the total?

- A. 12 unit squares C. 14 unit squares
 B. 13 unit squares D. 15 unit squares



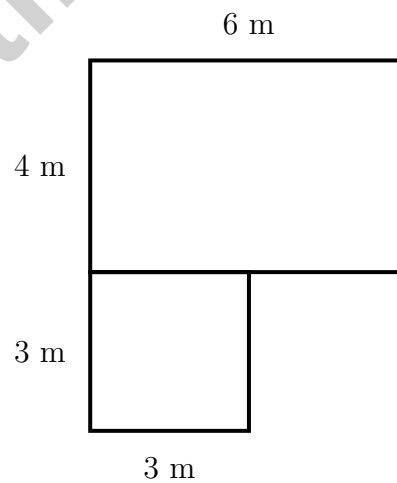


4)

A rectangular wall is 6 meters wide and 7 meters tall. What is the area?

- A. 26 sq m C. 13 sq m
 B. 42 sq m D. 84 sq m

5) Mia's bedroom floor is shaped like an L. One part is 6 m by 4 m. The other part is 3 m by 3 m. What is the total area?



- A. 24 sq m C. 33 sq m
 B. 9 sq m D. 144 sq m



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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 B is correct.** **(3.G.2)** When numerator = denominator, the fraction equals 1 whole. $\frac{3}{3} = 1$.
- 2) **Choice C is correct.** **(3.MD.7)** Two equal rectangles each have area 14. Add the two parts: $14 + 14 = 28$ square units.
- 3) **Choice D is correct.** **(3.OA.1)** 8×3 means 8 groups of 3, so $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 24$. Both equal 24.
- 4) **Choice D is correct.** **(3.NF.2)** The line is divided into thirds, so $\frac{1}{4}$ is not a tick mark on this particular number line.
- 5) **Choice A is correct.** **(3.MD.5)** Shape X has an area of 15 square units, which is larger than Shape Y's 9 square units. More space inside means greater area.
- 6) **Choice A is correct.** **(3.NF.2)** One of six equal parts is the unit fraction $\frac{1}{6}$.
- 7) **Choice A is correct.** **(3.NF.3)** X is halfway between 0 and $\frac{1}{3}$, which is $\frac{1}{6}$. Y is between $\frac{1}{3}$ and 1, at the $\frac{1}{2}$ mark.
- 8) **Choice B is correct.** **(3.NF.3)** $\frac{4}{8}$ and $\frac{1}{2}$ mark the same point on the line.
- 9) **The correct answer is 9.** **(3.NF.2)** From 0 to 3, there are 3 whole units. Each unit has 3 thirds, so $3 \times 3 = 9$ thirds total, or $\frac{9}{3} = 3$.
- 10) **Choice B is correct.** **(3.MD.7)** Area = $5 \times 2 = 10$ square units.
- 11) **Choice C is correct.** **(3.NBT.3)** $2 \times 8 = 16$, then multiply by 10: $2 \times 80 = 160$. You multiply the single digits first, then add one zero.
- 12) **Choice D is correct.** **(3.OA.6)** If $28 \div \square = 7$, then $7 \times \square = 28$. Since $7 \times 4 = 28$, the missing number is 4.
- 13) **Choices A and C are correct.** **(3.OA.8)** Multiply tables by chairs per table: $9 \times 4 = 36$. Then add: $36 + 8 = 44$. Choices A and C both correctly compute $(9 \times 4) + 8 = 44$. Choice B adds all three numbers (incorrect order). Choice D applies order of operations wrong. Choice E adds first then multiplies (wrong method).
- 14) **Choice A is correct.** **(3.OA.4)** The fact family for 4, 9, and 36 has equations like $4 \times 9 = 36$ and $36 \div 9 = 4$. The equation $36 \div 6 = 6$ uses 6, not 4 or 9.
- 15) **Choice B is correct.** **(3.G.2)** A circle with 3 equal parts has each part as $\frac{1}{3}$ (one-third).
- 16) **Choice D is correct.** **(3.NF.2)** $\frac{2}{6} = \frac{1}{3}$ (one-third). The fraction $\frac{2}{3}$ (two-thirds) is NOT equivalent because they represent different-size regions. Although both have numerator 2, the denominators 6 and 3 divide the whole differently, so $\frac{2}{6} \neq \frac{2}{3}$.
- 17) **Choice D is correct.** **(3.OA.9)** Skip counting by an even number always gives all even numbers.
- 18) **Choice C is correct.** **(3.MD.1)** $4 : 07 + 18 \text{ min} = 4 : 25 \text{ PM}$.
- 19) **Choice A is correct.** **(3.MD.5)** Part 1: $9 \times 3 = 27$ sq units. Part 2: $4 \times 3 = 12$ sq units. Total: $27 + 12 = 39$ sq units.
- 20) **The correct answer is 600.** **(3.NBT.1)** The tens digit is 1. Since $1 < 5$, round down: 614 rounds to 600.
- 21) **Choice A is correct.** **(3.NBT.2)** $4 \times 7 = 28$. Count by 7s four times: 7, 14, 21, 28.
- 22) **Choice B is correct.** **(3.G.1)** Rectangles have opposite sides that are parallel (they never meet). Triangles have no parallel sides, and not all quadrilaterals have them.
- 23) **Choice C is correct.** **(3.NF.3)** The denominator was multiplied by 3 (from 2 to 6). Multiply the numerator by 3: $1 \times 3 = 3$.
- 24) **Choice D is correct.** **(3.OA.1)** $35 \div 7 = 5$. The blocks are divided equally among the friends.
- 25) **The correct answer is 48 sq units.** **(3.MD.6)** Count rows: $8 + 8 + 8 + 8 + 8 + 8 = 48$ unit squares. Or count columns: $6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 = 48$ unit squares.
- 26) **Choice C is correct.** **(3.MD.6)** Count the rows: 5 rows. Count across: 6 tiles in each row. Total: $6 + 6 + 6 + 6 + 6 = 30$ unit square tiles are needed.
- 27) **Choice B is correct.** **(3.MD.3)** $4 \times 2 = 8$ books.
- 28) **Choice C is correct.** **(3.MD.8)** Area = length \times width = $9 \times 5 = 45$ square feet.
- 29) **Choice C is correct.** **(3.MD.2)** Estimate: $150 + 80 + 20 \approx 250$ g. This tests Grade 3 estimation skill.
- 30) **Choice A is correct.** **(3.G.2)** $\frac{1}{4}$ of a bar divided into 4 equal parts is 1 part.



Hi, Math Champion!

◇ You trained hard! 9 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!

★

Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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

Jay Daie

Your Math Coach

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Give your child the tools they need to excel in **Grade 3 Math!** This book includes **9 complete practice tests** that follow grade-level standards and help students build confidence, sharpen skills, and achieve success.

9
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Aligned to Standards



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