

4

Utah RISE

Grade 3

MATH

PRACTICE TESTS

Standards-Aligned Practice



STANDARDS-ALIGNED

Practice to build skills and boost confidence



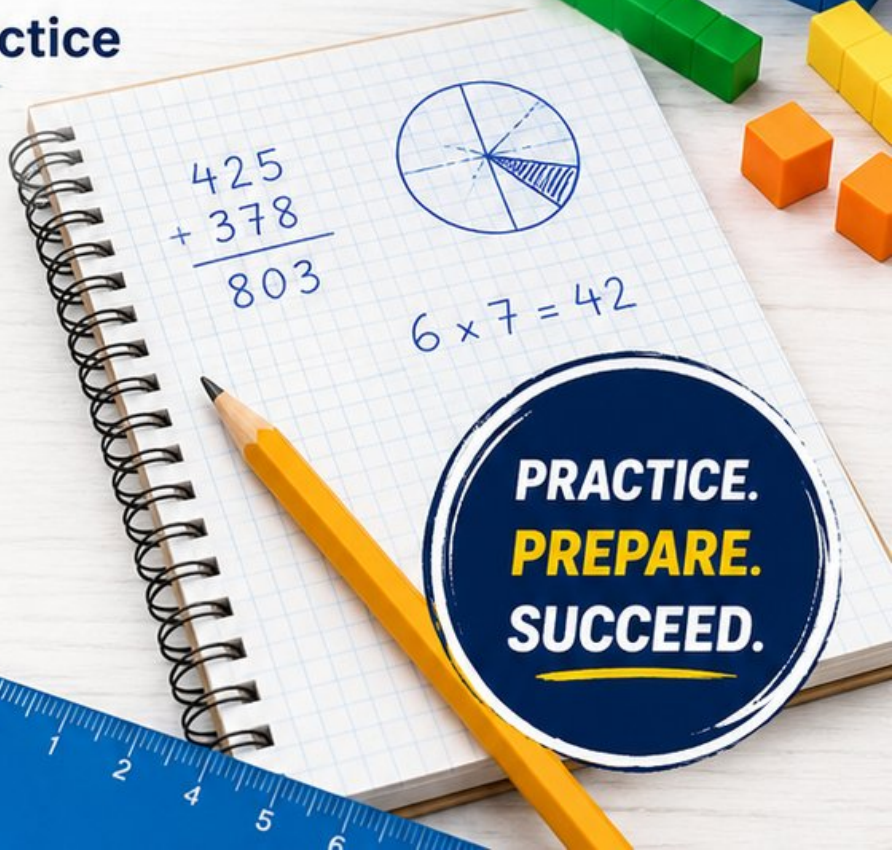
4 FULL-LENGTH TESTS

Realistic questions to prepare for test day

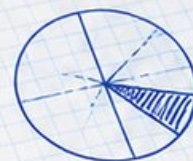


ANSWER KEYS & EXPLANATIONS

Detailed solutions to learn and improve



$$\begin{array}{r} 425 \\ + 378 \\ \hline 803 \end{array}$$



$$6 \times 7 = 42$$

PRACTICE.
PREPARE.
SUCCEED.

4 Utah RISE Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 3 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Welcome to the Utah Math Launch

Four missions, careful work, and a stronger Grade 3 thinker



Read the mission. Show the work. Check the answer. Launch again.

To the Grade 3 Mission Leader

This book is a four-mission practice launch for the Utah RISE. Each test gives you a fresh chance to multiply, divide, read graphs, compare fractions, measure, find area, and explain math in a way someone else can follow.

Utah has red rock paths, mountain valleys, and canyons that make careful noticing powerful. Good math uses the same habit: pause, check the details, and move forward with a steady plan.

Notice

Find the numbers, units, and question before choosing a path.

Model

Draw an array, number line, table, or quick equation.

Verify

Ask whether your answer fits the story and the unit.

Launch promise: I will slow down at the important moments, show the work I can, and use every miss as a clue for the next mission.

How to Use This Book

A four-mission routine for steady Grade 3 growth

1. Warm Up the System

Read the review pages first. Remind your brain how equal groups, fractions, clocks, graphs, and area models work.

2. Fly One Mission

Take one complete 30-question test. Keep your work neat enough that you can check it later.

3. Review the Flight

Use the answer key, then pause. A wrong answer is useful when you can name what happened.

4. Repair and Relaunch

Rework a few missed questions before starting the next test. The repair step is where the score begins to move.

A Four-Session Plan

Session 1	Take Test 1 and mark the topics that need attention.
Session 2	Take Test 2 and focus on showing every step clearly.
Session 3	Take Test 3 and watch for units, labels, and two-step problems.
Session 4	Take Test 4 and finish with calm, careful checking.

Best mission habit: After checking answers, write one sentence: “Next time I will pay attention to _____.”



Test Overview

What each Grade 3 math mission asks you to do

Each practice test has 30 questions. Across four tests, you will practice the kind of Grade 3 math thinking used on the Utah RISE: reading carefully, choosing a strategy, doing accurate computation, and explaining enough work to make your answer clear.

Multiple Choice

Look for the best answer. Estimate first when you can, cross out choices that do not fit, and reread the question before you choose.

Open Response

Write the answer and show the reason. A good Grade 3 response may use a drawing, equation, table, number line, or a few clear words.

Math Ideas Inside the Four Tests

- multiplication, division, arrays, missing factors, and two-step word problems
- place value, rounding, addition, subtraction, and multiplying by tens
- unit fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shape categories

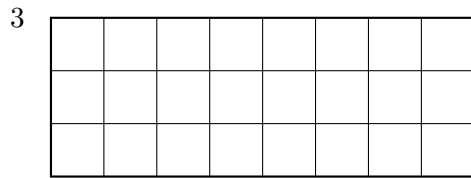
What strong RISE work looks like: the answer matches the question, the units make sense, and the work is clear enough to check.



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5)

How many unit squares tile this wide rectangle?

 A. 11 C. 24 B. 18 D. 83

6) An array has 3 rows and 5 columns. How many objects are in the array?



7) Two rectangles are shown. Rectangle A: length 6, width 3. Rectangle B: length 5, width 4. Which has the larger area?

 A. Rectangle A C. They are equal B. Rectangle B D. Cannot tell from the information given

8) A farmer has 56 eggs. She packs them into cartons with 8 eggs in each carton. How many cartons does she fill?

 A. 48 C. 8 B. 64 D. 7

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1) Complete: $\square \times 8 = 56$. Then write the related division fact.

A. $\square = 7$ and $56 \div 8 = 7$

C. $\square = 6$ and $56 \div 6 = 8$

B. $\square = 8$ and $56 \div 7 = 8$

D. $\square = 9$ and $56 \div 9 = 8$

2) $524 + 312 = ?$

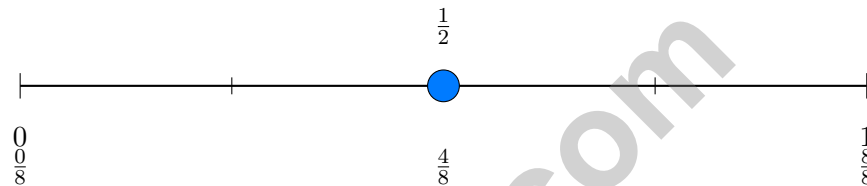
A. 836

C. 935

B. 846

D. 735

3) Select the equivalent fraction to $\frac{4}{8}$ shown on the number line.



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

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

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

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

4) Mia has some stickers. She gives them equally to 3 friends. Each friend gets 6 stickers. Which equation can be used to find the total number of stickers Mia gives away?

A. $18 \div 3 = \square$

C. $\square - 3 = 6$

B. $3 + 6 = \square$

D. $\square \div 3 = 6$

5) Lily collects 9 marbles and her friend collects 6 marbles. They put the marbles together and split them into 3 equal groups. How many marbles are in each group?

A. 3

C. 9

B. 5

D. 15



6) A teacher has two identical whiteboards. Board 1 is divided into 3 sections with 2 written on. Board 2 is divided into 6 sections with 4 written on. Are the written sections the same size?

- A. The boards might be different. C. Yes, same size.
 B. No, Board 2 is larger. D. No, Board 1 is larger.

7) Sam says: " $\frac{4}{8} > \frac{4}{6}$ because 8 is bigger than 6." Is Sam right?

- A. Yes, Sam is right C. No, the fractions are equal
 B. No, Sam got the rule backwards D. Cannot tell from the fractions

8) A unit square can be measured in different units. A unit square measured in inches is how many square inches?

- A. 1 square inch C. 4 square inches
 B. 2 square inches D. 0.5 square inches

9) Noah's rectangular bedroom floor is 10 feet long and 8 feet wide. Calculate the area of his bedroom floor.



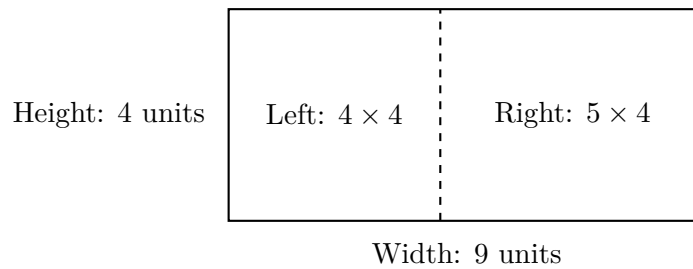
10) Which shows the same product as 5×8 ?

- A. 5×7 C. 6×5
 B. 4×8 D. 8×5



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5) This rectangle is split by a vertical line:



Which is the correct distributive property equation?

- A. $4 \times (4+5) = (4 \times 4) + (4 \times 5) = 16 + 20 = 36$
 C. $(4 \times 4) + (5 \times 4) = 16 + 20 = 36$
 B. $9 + 4 = 13$
 D. $(4 + 5) \times 4 = 36$
- 6) Which shape would NOT be classified as a quadrilateral?

- A. Pentagon C. Trapezoid
 B. Parallelogram D. Rectangle

7) The picture shows $\frac{6}{2}$. How many wholes?



- A. 2 C. 6
 B. 3 D. 1
- 8) Round 351 to the nearest 100.
- A. 300 C. 351
 B. 350 D. 400



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 A is correct.** **(3.NF.A.3a)** $\frac{2}{6} = \frac{1}{3}$. When you simplify $\frac{2}{6}$, you get one-third.
- 2) **Choice A is correct.** **(3.OA.D.8)** Step 1: Subtract for necklace: $100 - 25 = 75$ beads. Step 2: Divide into bracelets: $75 \div 5 = 15$ beads per bracelet. (Choice D is step 1 only.)
- 3) **Choice B is correct.** **(3.MD.B.3)** Multiply the height by the scale: $3 \times 5 = 15$ goldfish.
- 4) **Choice D is correct.** **(3.OA.A.4)** Divide: $42 \div 6 = 7$ marbles per bag. Check: $6 \times 7 = 42$.
- 5) **Choice C is correct.** **(3.MD.C.7a)** Wide rectangle: $8 \times 3 = 24$ square units.
- 6) **The correct answer is 15.** **(3.OA.B.5)** $3 \times 5 = 15$.
- 7) **Choice B is correct.** **(3.MD.C.7)** Rectangle A: $6 \times 3 = 18$ sq units. Rectangle B: $5 \times 4 = 20$ sq units. $20 > 18$, so B is larger.
- 8) **Choice D is correct.** **(3.OA.A.3)** Divide: $56 \div 8 = 7$ cartons.
- 9) **Choice D is correct.** **(3.OA.D.9)** Each number increases by 6. These are multiples of 6: $36 + 6 = 42$.
- 10) **The correct answer is 26 minutes.** **(3.MD.A.1)** From 11 : 38 to 12 : 00 is 22 minutes. From 12 : 00 to 12 : 04 is 4 minutes. Total: $22 + 4 = 26$ minutes.
- 11) **Choice C is correct.** **(3.MD.C.7d)** Add the areas: $25 + 14 = 39$ square units.
- 12) **Choice C is correct.** **(3.MD.B.4)** At $2\frac{3}{4}$, there are exactly 2 X's.
- 13) **Choices A and B are correct.** **(3.OA.B.6)** The fact family for 5, 6, and 30 includes multiplication facts and related division facts. Options A ($5 \times 6 = 30$) and B ($30 \div 5 = 6$) are correct. C, D, and E are addition or subtraction statements, so they are not part of this multiplication/division fact family.
- 14) **Choice C is correct.** **(3.MD.C.5)** Multiply length by width: $6 \times 3 = 18$ square units.
- 15) **Choice C is correct.** **(3.NBT.A.3)** The array shows 6 rows with 20 items each: $6 \times 20 = 120$ items.
- 16) **Choice C is correct.** **(3.NF.A.2b)** Point N is at 3 on a number line from 0 to 4. The fraction is $\frac{3}{4}$.
- 17) **Choice B is correct.** **(3.MD.C.5b)** There are 2 rows with 9 unit squares in each row: $9 \times 2 = 18$ unit squares.
- 18) **Choice C is correct.** **(3.MD.C.6)** Count by rows: $5 + 5 + 5 + 5 = 20$ unit squares. This is one way to count area.
- 19) **Choice D is correct.** **(3.MD.C.5a)** Floor area = $7 \text{ m} \times 6 \text{ m} = 42$ square meters = 42 unit-square tiles of 1 m each.
- 20) **Choice C is correct.** **(3.NF.A.3b)** Divide the numerator and denominator of $\frac{2}{6}$ by 2: $\frac{2 \div 2}{6 \div 2} = \frac{1}{3}$.
- 21) **Choice A is correct.** **(3.NBT.A.2)** Subtract to find the missing addend: $650 - 367 = 283$. Check: $367 + 283 = 650$.
- 22) **Choice B is correct.** **(3.G.A.1)** Both squares and rhombuses have 4 equal sides. The key difference is that a square must have 4 right angles, while a rhombus does not.
- 23) **Choice B is correct.** **(3.NF.A.2)** The right end is at all 2 parts, so the fraction is $\frac{2}{2}$, which equals 1.
- 24) **Choice A is correct.** **(3.MD.C.7c)** The distributive property lets us split the rectangle into two smaller parts and add their areas.
- 25) **Choice A is correct.** **(3.NF.A.3)** $\frac{2}{6}$ and $\frac{1}{3}$ show the same shaded amount. They are equivalent.
- 26) **The correct answer is 5 inches.** **(3.MD.D.8)** $30 = 2(10) + 2w = 20 + 2w$, so $2w = 10$ and $w = 5$ in.
- 27) **Choice A is correct.** **(3.NF.A.2a)** One mark in the middle divides into 2 equal parts, each $\frac{1}{2}$.
- 28) **Choice D is correct.** **(3.OA.A.1)** The array shows 6 columns and 2 rows. So $6 \times 2 = 12$ or $2 \times 6 = 12$.
- 29) **Choice D is correct.** **(3.NF.A.3c)** Both parts are shaded, so it is $\frac{2}{2}$, which equals 1 whole. (A) is only one shaded part. (B) and (C) are not written with correct denominator 2.
- 30) **Choice D is correct.** **(3.NBT.A.1)** The tens digit is 8. Since $8 \geq 5$, round up: 589 rounds to 600.

Practice Test 2 Answers and Explanations



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Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 4 tests is like 4 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

Build Skills. Achieve More.

This book gives **Grade 3** students the focused practice they need to master math concepts with confidence.

What's Inside?



Standards-Aligned Practice

Questions designed to match Grade 3 math standards.



Variety of Question Types

Build skills with multiple formats and challenges.



Real-World Applications

Engaging problems that connect math to life.



Step-by-Step Progress

Track improvement and see growth over time.



Build Skills & Boost Confidence

Strengthen understanding and perform better.

COVERS ALL ESSENTIAL TOPICS

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- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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