

6

Utah RISE

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations



6 Full-Length
Practice Tests



Detailed Answer Keys
and Explanations



Master Skills.
Boost Scores.
Succeed!

6 Utah RISE Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

Jay Daie and Reza Nazari



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome to the Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

To the Grade 3 Math Builder

This book gives you six practice labs for the Utah RISE. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Utah brings red-rock arches, canyon trails, mountain snow, and salt flats. Strong math uses that same care: read the task, select a strategy, build the solution, and use shapes and patterns to plan the work.

Decode

Find the question, the units, and the useful numbers.

Design

Use an equation, array, number line, graph, or sketch.

Confirm

Make sure the answer matches the question.

Six-lab promise: I will work with patience, show useful thinking, and treat corrections as part of learning.

How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For Utah students, each lab is a short route through red-rock arches, canyon trails, mountain snow, and salt flats: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

Best review habit: A mistake is most useful when you can say why it happened and what you will do differently next time.



What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Utah Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the Utah RISE path.

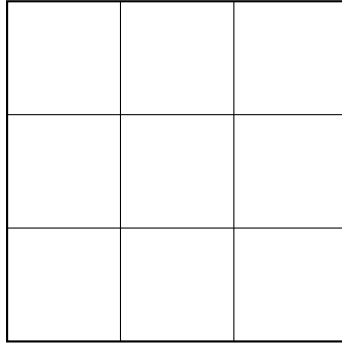


Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	26
★ Practice Test 3	_____	39
★ Practice Test 4	_____	52
★ Practice Test 5	_____	65
★ Practice Test 6	_____	77
Practice Test Answer Keys	_____	89
Practice Test Answers and Explanations	_____	93

- 1) A square is divided into a 3×3 grid (2 horizontal and 2 vertical lines making 9 equal small squares). What fraction is one small square?



- A. $\frac{1}{6}$ C. $\frac{1}{9}$
 B. $\frac{1}{8}$ D. $\frac{1}{4}$
- 2) Round 945 to the nearest 100.
- A. 900 C. 945
 B. 940 D. 1000
- 3) Complete the fact family for 5, 9, and 45:

Multiplication	Division
$5 \times 9 = 45$	$45 \div 5 = \square$
$9 \times 5 = 45$	$45 \div 9 = \square$

What are the missing numbers?

- A. 45 and 45 C. 5 and 9
 B. 4 and 4 D. 9 and 5

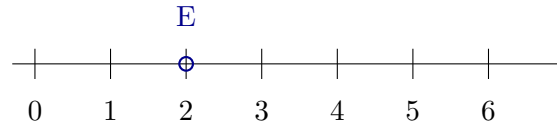


8) Which is NOT equivalent to $\frac{2}{4}$?

- A. $\frac{4}{8}$
 B. $\frac{1}{2}$

- C. $\frac{3}{6}$
 D. $\frac{3}{4}$

9)



The number line from 0 to 6 has point E at 2. What fraction of the distance from 0 to 6 is point E ?

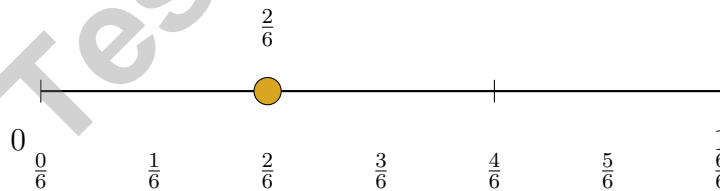
- A. $\frac{1}{4}$
 B. $\frac{2}{6}$

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

10) A rectangle has area 8×12 . Using $12 = 7 + 5$, which shows the distributive property?

- A. $8 \times 12 = 8 \times (7 + 5) = (8 \times 7) + (8 \times 5) = 56 + 40 = 96$
 B. $8 + 12 = 20$
 C. $8 \times 12 = 8 + 12 + 7 + 5 = 32$
 D. $(8 + 7) + (5) = 20$

11) Look at the number line. Which fraction equals $\frac{2}{6}$?



- A. $\frac{1}{4}$
 B. $\frac{1}{3}$

- C. $\frac{2}{3}$
 D. $\frac{3}{6}$

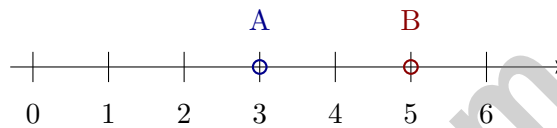
5)

Item	Mass
Watermelon	5 kg
Pineapple	2 kg

Eli carries a watermelon and a pineapple. What is the total mass?

- A. 3 kg C. 7 kg
 B. 5 kg D. 10 kg

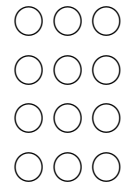
6)



The number line from 0 to 6 has points A at 3 and B at 5. Write A and B as fractions of the total distance.

- A. $A = \frac{1}{2}, B = \frac{5}{6}$ C. $A = \frac{6}{3}, B = \frac{6}{5}$
 B. $A = \frac{3}{6}, B = \frac{6}{5}$ D. $A = \frac{3}{6}, B = \frac{5}{6}$
- 7) Which pair of rectangles can be tiled to show $5 \times (7 + 2) = (5 \times 7) + (5 \times 2)$?
- A. One 5×7 and one 5×2 C. One 5×9 and one 5×2
 B. One 7×5 and one 7×2 D. One 7×4 and one 2×5
- 8) Find $27 \div 3$. (Hint: Think of a multiplication fact: $\square \times 3 = 27$)





1)

What multiplication equation matches this picture?

A. $3 \times 5 = 15$

C. $3 + 4 = 7$

B. $7 \times 3 = 21$

D. $4 \times 3 = 12$

2) Which equation is false?

A. $7 \times (2 + 8) = 7 \times 2 + 7 \times 8$

C. $5 \times (6 + 1) = 5 \times 6 + 5 \times 1$

B. $9 \times (3 + 4) = 9 \times 3 + 9 \times 4$

D. $6 \times (5 + 2) = 6 \times 5 - 6 \times 2$



3)

7 units

The rectangle has 7 rows of 3 unit squares. Using repeated addition, find the area:

$$3 + 3 + 3 + 3 + 3 + 3 + 3 = ?$$

A. 10 sq units

C. 14 sq units

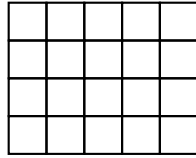
B. 21 sq units

D. 28 sq units



Scan me!
For more practice
& answers

4) Here is a rectangle with 5 unit squares across and 4 unit squares down:



If you count all the unit squares, how many are there?

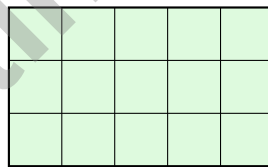
- A. 9 unit squares C. 20 unit squares
 B. 18 unit squares D. 20 square cm

5) What number makes the equation true?

$$\square \times 6 = 48$$

- A. 10 C. 7
 B. 9 D. 8

6) How many unit squares (each 1 inch by 1 inch) cover a rectangle that is 5 inches long and 3 inches wide?



5 inches

- A. 8 unit squares C. 15 unit squares
 B. 12 unit squares D. 20 unit squares



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.

Testinar.com



Scan me!
For more practice
& answers

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(3.G.2)** Nine equal parts means each part is $\frac{1}{9}$ of the whole square.
- 2) **Choice A is correct.** **(3.NBT.1)** The tens digit is 4. Since $4 < 5$, round down: 945 rounds to 900.
- 3) **Choice D is correct.** **(3.OA.6)** In a fact family, $45 \div 5 = 9$ and $45 \div 9 = 5$. Division reverses multiplication.
- 4) **Choice B is correct.** **(3.NBT.3)** The chart shows 6 tens and 0 ones, which is $6 \times 10 = 60$.
- 5) **Choice D is correct.** **(3.NBT.2)** Add: $127 + 234 = 361$. Ones: $7 + 4 = 11$ (write 1, carry 1). Tens: $2 + 3 + 1 = 6$. Hundreds: $1 + 2 = 3$.
- 6) **Choice C is correct.** **(3.MD.6)** A 3×3 square contains $3 \times 3 = 9$ unit squares.
- 7) **Choice B is correct.** **(3.OA.8)** Step 1: Add: $12 + 8 = 20$ cookies. Step 2: Subtract: $20 - 6 = 14$ cookies. (Choice C is step 1 only; choice A ignores new cookies.)
- 8) **Choice D is correct.** **(3.NF.3)** $\frac{2}{4} = \frac{1}{2}$. Choices A, B, and C are all equivalent. Only $\frac{3}{4}$ is different.
- 9) **Choice B is correct.** **(3.NF.2)** Point E at 2 on a 0-to-6 line is $\frac{2}{6} = \frac{1}{3}$ of the distance.
- 10) **Choice A is correct.** **(3.MD.7)** Split 12 into $7 + 5$. Multiply 8 by each part, then add: $56 + 40 = 96$.
- 11) **Choice B is correct.** **(3.NF.3)** On the number line, $\frac{2}{6}$ and $\frac{1}{3}$ mark the same point.
- 12) **Choice D is correct.** **(3.OA.1)** $12 \div 3$ asks “how many in each group when 12 items are shared equally among 3 groups?” Each group gets 4 items.
- 13) **The correct answer is 2.** **(3.G.2)** $\frac{1}{2} + \frac{1}{2} = 1$, so 2 halves make one whole.
- 14) **Choice A is correct.** **(3.NF.2)** $\frac{1}{6}$ means one part out of six equal parts, which is at the first tick mark from 0.
- 15) **Choice C is correct.** **(3.MD.8)** Area = length \times width = $5 \times 4 = 20$ square feet.
- 16) **Choice D is correct.** **(3.MD.5)** Count the rows: 3 rows. Count the columns: 4 columns. Multiply: $3 \times 4 = 12$ square units.
- 17) **Choices A and C are correct.** **(3.MD.6)** Squares and rectangles with whole-number side lengths can be covered exactly by unit squares without gaps or overlaps (choices A and C). Shapes with curves, slants, or irregular edges would need partial squares.
- 18) **The correct answer is 2 scores.** **(3.MD.4)** The scores 81 and 82 points each occur once, so there are 2 scores occurring exactly once.
- 19) **Choice B is correct.** **(3.MD.1)** The interval from 5 : 10 to 5 : 40 is 30 minutes. The middle of 30 minutes is 15 minutes. So 5 : 10 + 15 = 5 : 25 PM.
- 20) **Choice D is correct.** **(3.OA.4)** Multiply: $6 \times 8 = 48$ cookies.
- 21) **Choice C is correct.** **(3.MD.2)** Divide: $2000 \div 250 = 8$ glasses.
- 22) **Choice D is correct.** **(3.MD.6)** Area of a square = $7 \times 7 = 49$ square meters.
- 23) **Choice C is correct.** **(3.NF.2)** $\frac{3}{4} = \frac{6}{8}$ because both represent three-fourths of the rectangle.
- 24) **The correct answer is trapezoid.** **(3.G.1)** There are many quadrilaterals beyond rectangles, squares, and rhombuses. A trapezoid (with one pair of parallel sides) is one example. Students may also draw an irregular quadrilateral with no parallel sides.
- 25) **Choice D is correct.** **(3.OA.9)** Multiples of 4 follow the pattern 4, 8, 12, 16, 20, increasing by 4 each time.
- 26) **Choice B is correct.** **(3.G.2)** 15 thirds means $15 \div 3 = 5$ wholes. Each candy bar had 3 thirds.
- 27) **Choice D is correct.** **(3.NBT.2)** 6 boxes with 9 cars each: $6 \times 9 = 54$.
- 28) **Choice A is correct.** **(3.OA.3)** Divide: $36 \div 4 = 9$ books per shelf.
- 29) **Choice A is correct.** **(3.NF.3)** Same numerator (1): both fractions take 1 piece from their bar. But the first bar is divided in half (larger piece), the second in thirds (smaller piece). One half $>$ one third. Visually: the green shaded area is larger in the first bar.
- 30) **Choice A is correct.** **(3.OA.5)** Both arrays show 10 total squares. Array A is 2×5 and Array B is 5×2 , showing the commutative property.



Scan me!
For more practice
& answers

A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 6 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 6 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.

Jay Daie

Your Math Friend

BUILD CONFIDENCE. MASTER MATH. ACHIEVE SUCCESS!



This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Test Preparation

★ **PREPARE TODAY.
SUCCEED TOMORROW!**

WHAT STUDENTS WILL GAIN:



Stronger Concepts

Reinforce key Grade 3 math skills and build a solid foundation.



Better Problem Solving

Develop critical thinking and solve problems with ease.



Test Confidence

Get familiar with test formats and reduce exam stress.



Track Progress

Measure improvement and focus on areas that matter.



Achieve Success

Build the skills and confidence to reach higher goals.

TOPICS COVERED:

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



Visit testinar.com/math5 for more Grade 3 math resources and practice materials!

PRACTICE MORE. ACHIEVE MORE.

Give your child the tools they need to succeed in math and beyond!



Aligns with Grade 3 Learning Standards



Builds Critical Thinking & Problem-Solving