

7

Utah

RISE

GRADE 5

MATHEMATICS

PRACTICE TESTS

✓
PRACTICE
PREPARE
SUCCEED

★★★

Comprehensive Standards-Aligned
Review for Strong Grade 5
Math Performance



$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$$

$$2.4 + 1.6 = 4.0$$

$$A = \frac{bh}{2}$$



**7 FULL-LENGTH
PRACTICE TESTS**

Realistic style
questions



**STANDARDS-
ALIGNED**

Covers all Grade 5
standards



BUILD CONFIDENCE

Target weak areas
and improve
performance



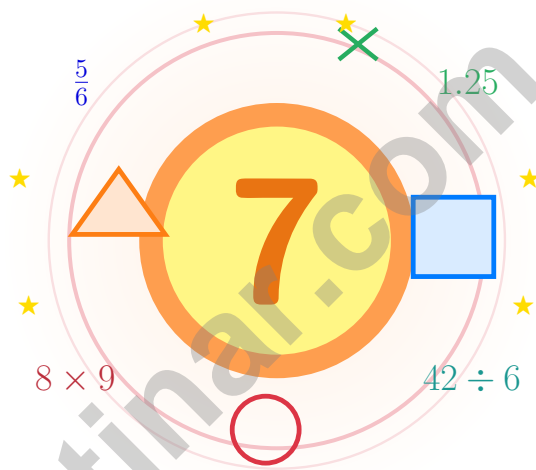
ACHIEVE SUCCESS

Develop skills,
stay prepared,
excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. **SUCCEED** FOREVER. ★

7 Utah RISE Grade 5 Math Practice Tests

Seven full tests and a coach's voice on every page



Seven full tests, a concise review, and helpful support that turns Grade 5 practice in The Beehive State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari



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Utah Math Crew, Welcome to the Path

Seven steps, seven growth checks, one calm routine

To the Grade 5 Mathematician

This practice book is your steady companion for seven tests, not a place to be perfect. Math is like a beehive – one careful step alone is small, but together they build something amazing.

Use these seven tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

See

See the question fully
before you start the
math.

Plan

Pick a strategy that fits
the numbers in front of
you.

Build

Build the answer step
by step, no shortcuts.

A strong habit for Utah mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

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How to Get the Most Out

A simple routine that turns practice into progress

Step 1: Set Up

Pencil ready, distractions gone.

Spend a few minutes waking up your memory before the test begins.

Step 2: Work the Test

Take a full test like the real day.

Work in a calm spot and focus on careful thinking before speed.

Step 3: Look Back

Walk through your answers without rushing.

Circle missed questions and notice which topics keep showing up.

Step 4: Climb Higher

Pick one or two skills to sharpen next.

Read the explanation, repair the work, and bring that lesson into the next test.

A Good 7-Week Utah Rhythm

Week 1	Take Test 1 like a careful first step in a beehive.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 with calm, careful focus.



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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

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1 meter (m) = 100 centimeters (cm)

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1) A recipe calls for $\frac{2}{3}$ cup of milk. Leo makes $\frac{3}{5}$ of the recipe. How much milk does he need?
Give the answer in simplest form.

- A. $\frac{6}{8}$ cup
 B. $\frac{1}{2}$ cup

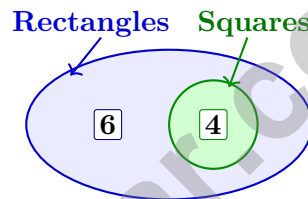
- C. $\frac{5}{8}$ cup
 D. $\frac{2}{5}$ cup

2) Without calculating, compare: 3×48 3×47

- A. $>$
 B. $<$

- C. $=$
 D. Cannot tell

3) A Venn diagram shows squares inside rectangles. There are 6 rectangles that are not squares and 4 squares. How many rectangles are shown in all?



- A. 4
 B. 6

- C. 14
 D. 10

4) What is $6 \div \frac{1}{3}$?

- A. 18
 B. 2

- C. 12
 D. 6

5) Which number multiplied by 10 equals 3.8?

- A. 0.38
 B. 3.8

- C. 38
 D. 380



- 6) Evaluate the expression: $48 \div (6 + 2) + 5 \times 3$

Record your answer in the space provided.

- 7) Order from least to greatest: $100 \times \frac{99}{100}$, $100 \times 1\frac{1}{100}$, 100×1 .

A. $1\frac{1}{100}$, 1 , $\frac{99}{100}$

B. $\frac{99}{100}$, 1 , $1\frac{1}{100}$

C. 1 , $\frac{99}{100}$, $1\frac{1}{100}$

D. All are equal

- 8) A recipe uses 2.5 cups of flour for each batch. How much flour is needed for 6 batches?

A. 12 cups

B. 13 cups

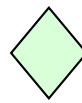
C. 15 cups

D. 18 cups

- 9) Look at the two shapes. Which statement correctly compares their attributes?



Kite



Rhombus

A. Both are quadrilaterals, but only the rhombus must have two pairs of parallel sides.

B. Both have exactly 3 sides.

C. Both must have four right angles.

D. Both must have exactly one pair of parallel sides.



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 $\frac{1}{4}$ of 12

Original: 12 inches

1)

If the large bar represents 12 inches, what length does the colored part represent?

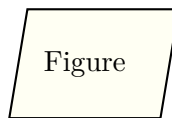
- A. 3 inches C. 4 inches
 B. 2 inches D. 6 inches

2) A library ordered 5,600 books. They will distribute them equally to 100 classrooms. How many books does each classroom get?

- A. 5.6 C. 560
 B. 56 D. 56,000

3) Find: $612 \div 18$.

Record your answer in the space provided.



4)

This figure has both pairs of opposite sides parallel. Each pair of opposite sides is also equal in length. Which is the BEST name?

- A. Trapezoid C. Kite
 B. Parallelogram D. Quadrilateral only



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1) Identify the correct rounding statement:

- A. 6.234 rounded to the nearest tenth is 6.24
- B. 6.234 rounded to the nearest tenth is 6.2
- C. 6.234 rounded to the nearest whole number is 7
- D. 6.234 rounded to the nearest hundredth is 6.24

2) A recipe calls for $\frac{2}{3}$ cup of flour. You want to make $\frac{1}{2}$ of the recipe. How much flour do you need?

- A. $\frac{2}{5}$ cup
- B. $\frac{1}{3}$ cup
- C. $\frac{3}{5}$ cup
- D. 1 cup

3) Find the product: $7 \times 100,000$.

Record your answer in the space provided.

4) Add mixed unequal decimals: $0.9 + 2.35 = ?$

- A. 2.44
- B. 3.15
- C. 3.25
- D. 3.35

5) A road is being paved. Workers complete 12.5 kilometers on Monday and 14.75 kilometers on Tuesday. If the road is 50 kilometers long, how many kilometers remain?

- A. 19.75 km
- B. 22.75 km
- C. 25.5 km
- D. 27.25 km



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** **(5.NF.6)** He needs $\frac{3}{5}$ of $\frac{2}{3}$ cup, so multiply: $\frac{3}{5} \times \frac{2}{3} = \frac{6}{15}$, which simplifies to $\frac{2}{5}$ cup.
- 2) **Choice A is correct.** **(5.OA.2)** Both expressions have the same factor, 3. Since 48 is greater than 47, 3 groups of 48 must be greater than 3 groups of 47.
- 3) **Choice D is correct.** **(5.G.4)** The squares are also rectangles, so the total number of rectangles is $6 + 4 = 10$.
- 4) **Choice A is correct.** **(5.NF.7)** $6 \div \frac{1}{3} = 6 \times 3 = 18$.
- 5) **Choice A is correct.** **(5.NBT.2)** Work backward by dividing 3.8 by 10. Moving one place left gives 0.38.
- 6) **The correct answer is 21.** **(5.OA.1)** First simplify the parentheses: $6 + 2 = 8$. Then $48 \div 8 = 6$ and $5 \times 3 = 15$, so the total is $6 + 15 = 21$.
- 7) **Choice B is correct.** **(5.NF.4)** The factors increase from $\frac{99}{100}$ to 1 to $1\frac{1}{100}$, so the products increase: 99, 100, 101.
- 8) **Choice C is correct.** **(5.NBT.7)** Each batch uses 2.5 cups, so multiply by the number of batches: $2.5 \times 6 = 15$. The total is 15 cups.
- 9) **Choice A is correct.** **(5.G.3)** Both shapes have 4 sides and 4 vertices. A rhombus must have two pairs of parallel sides, while a kite does not have to.
- 10) **Choice B is correct.** **(5.NBT.2)** $105 \times 10 = 1050$. Append one zero to 105.
- 11) **Choice C is correct.** **(5.MD.5)** Sugar for cake = $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$ of the 5-pound bag. Since $\frac{3}{8} \times 5 = \frac{15}{8} = 1\frac{7}{8}$, she used $1\frac{7}{8}$ pounds.
- 12) **Choice D is correct.** **(5.NF.1)** $9\frac{7}{8} - 4\frac{3}{8} = 5\frac{4}{8} = 5\frac{1}{2}$ ft.
- 13) **Choice A is correct.** **(5.NF.7)** $\frac{1}{5} \div 5 = \frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$.
- 14) **Choice B is correct.** **(5.NBT.4)** For 14.45 to the nearest tenth, look at the hundredths digit. It is 5, so the tenths digit rounds up from 4 to 5, giving 14.5.
- 15) **Choice C is correct.** **(5.G.2)** A point directly above Point A has the same x-coordinate but a larger y-coordinate. Of the choices, only (3, 9) has $x = 3$ and a y-value greater than 5.
- 16) **The correct answer is $\frac{1}{4}$.** **(5.NF.4)** Multiply first: $\frac{5 \times 3}{6 \times 10} = \frac{15}{60}$. Since 15 is one fourth of 60, the product is $\frac{1}{4}$.
- 17) **Choice B is correct.** **(5.NBT.7)** $0.35 < 0.4 < 0.45$. The others are outside this range.
- 18) **Choice D is correct.** **(5.NF.4)** $4 \times \frac{3}{8} = \frac{12}{8} = 1\frac{1}{2}$ square meters.
- 19) **Choice C is correct.** **(5.NF.4)** Since $\frac{1}{4} < \frac{1}{2}$, the product $10 \times \frac{1}{4}$ is smaller. $10 \times \frac{1}{4} = 2\frac{1}{2}$ and $10 \times \frac{1}{2} = 5$.
- 20) **Choice D is correct.** **(5.NF.4)** $1\frac{1}{3} = \frac{4}{3}$ and $1\frac{1}{2} = \frac{3}{2}$. Multiply: $\frac{4}{3} \times \frac{3}{2} = \frac{12}{6} = 2$.
- 21) **Choices A, B are correct.** **(5.NF.6)** We are counting one-third scoops in 2 cups. A gives the division equation, and B is the related multiplication equation.
- 22) **Choice C is correct.** **(5.MD.1)** 1 centimeter = 10 millimeters. Multiply: $25 \times 10 = 250$ mm.
- 23) **Choice B is correct.** **(5.OA.1)** Go from the inside out: $10 - 7 = 3$, then $[2 + 3] = 5$, and finally $8 \times 5 = 40$.
- 24) **Choice D is correct.** **(5.G.3)** An isosceles triangle has at least two equal sides, which also means it has two equal angles. This triangle has three different angle measures, so it is right scalene, not isosceles.
- 25) **Choice B is correct.** **(5.G.2)** Both points share the same y-coordinate (2), so they lie on a horizontal line. The distance is $9 - 5 = 4$ blocks east.
- 26) **Choice C is correct.** **(5.G.2)** Lily: 2, 3, 4, 5, 6. Zoe: 3, 5, 7, 9, 11. Point (5, 10) doesn't match—it should be (5, 9).
- 27) **Choice A is correct.** **(5.OA.3)** Pattern R is 5 times Pattern S: $2 \times 5 = 10$, $4 \times 5 = 20$, $6 \times 5 = 30$, $8 \times 5 = 40$.
- 28) **Choice D is correct.** **(5.NF.1)** $\text{LCM}(5,10) = 10$. $\frac{2}{5} = \frac{4}{10}$. $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$ yard.
- 29) **Choice B is correct.** **(5.OA.3)** The dot counts are 1, 5, 9, and then 13. Each new figure adds 4 dots.
- 30) **The correct answer is $23\frac{1}{2}$ in.** **(5.MD.2)** Add the lengths represented by the line plot: $2 \times 3\frac{1}{2} = 7$, $3 \times 4 = 12$, and $1 \times 4\frac{1}{2} = 4\frac{1}{2}$. The total is $7 + 12 + 4\frac{1}{2} = 23\frac{1}{2}$ inches.
- 31) **The correct answer is 3.** **(5.MD.1)** $36 \div 12 = 3$ feet. Since 12 inches make 1 foot, 36 inches makes 3 full feet.



Strong Finish

Hello, Math Star!

★ Seven practice tests later, you've built real math confidence. Confidence means you can face a problem, stay calm, and keep working until you understand it. ★

◇ **That's what a strong finish looks like:** careful reading, smart strategies, and steady effort from start to end. ◇

Finish Like a Pro

- **Pace yourself:** don't rush the first half.
- **Use scratch work:** write steps clearly.
- **Save time:** leave a few minutes to review.
- **Fix small errors:** check signs, units, and place value.

I'm proud of your effort. Keep that same steady focus on test day.

You can reach me at reza@testinar.com.

Reza Nazari & Jay Daie

Your Math Coaches (Finish Strong)

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PRACTICE TODAY. PERFORM TOMORROW.

Success in math starts with practice! This book provides the **practice, confidence, and skills** your child needs to excel on the Grade 5 Math test and beyond.

KEY BENEFITS:



TARGETED PRACTICE

Focus on the most important Grade 5 math skills.



STANDARD-ALIGNED

All tests align with state standards for Grade 5.



BUILD CONFIDENCE

Strengthen skills, reduce test anxiety, and boost confidence.



IMPROVE PERFORMANCE

Timed practice helps improve speed and accuracy.



ACHIEVE SUCCESS

Develop strong test-taking skills and achieve your best score!

PERFECT FOR:

✓ Classroom Practice

✓ Homework Help

✓ Test Preparation

✓ Summer Learning

✓ On-the-Go Practice

✓
PRACTICE
PREPARE
SUCCEED



STRONG SKILLS. BRIGHT FUTURE.

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



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DESIGNED
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Proven practice for real results.



SUPPORT
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Every step of the way.