

+
★
10

=
Utah
RISE



GRADE 3

△ **MATH** ▽

÷ **PRACTICE TESTS** =

✓ Complete Standards Review

✓ Skill Practice

✓ Word Problems
and Answer Key

2 × 7 + 4



★ ★ ★
**PREPARE
PRACTICE
SUCCEED!**
★ ★ ★



Aligned to
Grade 3 Math
Standards



Build Confidence
and Master
Math Skills



Test-Taking
Practice for
Success



Answer Key
for Easy
Review

10 Utah RISE Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten complete 30-question Grade 3 practice rounds for RISE, built around red-rock arches, mountain air, and exact fraction work, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Utah Math Explorer!

Ten steady rounds on the Beehive State math route

This book gives you ten full Grade 3 practice tests for RISE. Each round uses red-rock arches, mountain air, and exact fraction work to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Utah Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for Utah RISE review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Beehive State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Ten tests, 300 questions, and a full RISE review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Utah book.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.

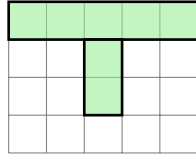


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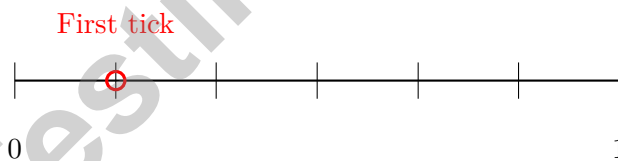
★ Practice Test 1	_____	14
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- 1) A grid shows a T-shaped figure made of unit squares. You can count by columns or by rows.



How many unit squares form this T-shape?

- A. 5 sq units C. 10 sq units
 B. 7 sq units D. 15 sq units
- 2) Noah counts unit squares to measure the area of a shape. He gets 9 unit squares. What is the area of the shape?
- A. 3 square units C. 9 square units
 B. 6 square units D. 18 square units
- 3) Look at this number line labeled from 0 to 1 with 6 equal parts. The mark at the first tick represents which fraction?



- A. $\frac{1}{6}$ C. $\frac{2}{6}$
 B. $\frac{1}{7}$ D. $\frac{1}{5}$



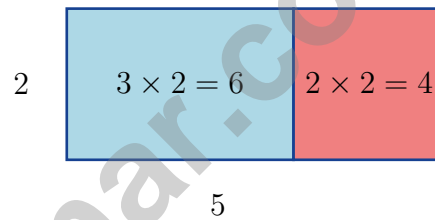
4) Mia colors part of a circle. She colors $\frac{3}{6}$ red and $\frac{1}{2}$ blue on two identical circles. Which statement is true?

- A. She colored more blue. C. She colored the same amount.
 B. Blue and red use different shapes. D. She colored more red.

5) A toy store organizes action figures into display cases. Each case has 3 rows with 5 figures in each row. The store has 2 display cases. How many figures are on display altogether?

- A. 30 C. 8
 B. 15 D. 10

6) Look at this area model. Which equation does it show?



- A. $2 \times 3 = 6$ C. $3 \times (2 + 2) = 12$
 B. $5 + 2 = 7$ D. $2 \times (3 + 2) = 10$

D



7)

The number line from 0 to 4 is divided into fourths. Point *D* is shown. What mixed number is point *D*?

- A. $2\frac{1}{4}$ C. $2\frac{3}{4}$
 B. 3 D. $2\frac{1}{2}$



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8) Ben tiles a square using unit squares. He puts 5 tiles in each row and 5 tiles in each column. How many tiles does he use?

A. 10

B. 25

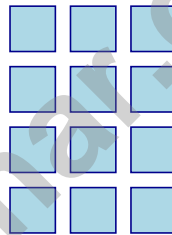
C. 15

D. 50

9) Find $4 \times 3 + 2 \times 2 + 2 \times 2$.

10) Use the array. Which division sentence does it show?

3 columns



4 rows

A. $12 \div 6 = 2$

B. $12 \div 12 = 1$

C. $12 \div 2 = 6$

D. $12 \div 4 = 3$



1) A rectangular poster has dimensions of 11 inches by 8 inches. What is the area of the poster?

A. 88 square inches

C. 19 square inches

B. 38 square inches

D. 99 square inches

2) Mia used the distributive property to break 5×9 into $5 \times (6 + 3)$. What is $5 \times 6 + 5 \times 3$?

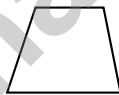
A. 30

C. 40

B. 35

D. 45

3) Mia had some stickers. She gave away 145 stickers and has 238 left. How many stickers did Mia have at the start?



Shape R

4)

Shape R is a quadrilateral with one pair of parallel sides. What is Shape R called?

A. Square

C. Trapezoid

B. Rectangle

D. Rhombus



1) Which number is missing in the fact family: 6, 7, ___?

A. 13

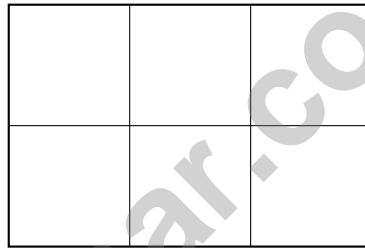
C. 49

B. 36

D. 42

2) Find $80 \div 5 - 2$.

3) A student says that this rectangle is divided so each part is $\frac{1}{4}$. Is the student correct?



A. Yes, there are 4 parts

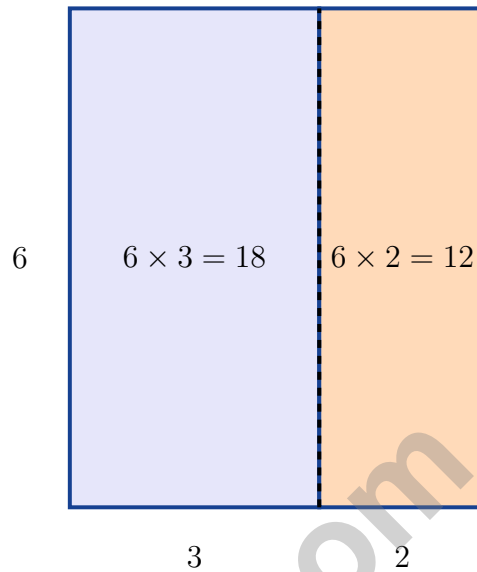
C. No, the parts are unequal

B. No, there are 6 parts, so each is $\frac{1}{6}$

D. Yes, each part is $\frac{1}{4}$



4) Look at this area model for $6 \times (3 + 2)$.



This shows that $6 \times (3 + 2)$ equals:

- A. $18 + 2 = 20$ C. $6 + 3 + 2 = 11$
 B. 6×4 D. $18 + 12 = 30$
- 5) A recipe calls for 3 kg of flour. Noah already has 1500 g. How many more grams does he need?
- A. 1000 g C. 2000 g
 B. 1500 g D. 3000 g



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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.MD.6)** Count the top row: 5 squares. Count the center column below: 2 more squares. Total: $5 + 2 = 7$ unit squares.
- 2) **Choice C is correct.** **(3.MD.6)** If the shape is covered by 9 unit squares, the total area is 9 square units.
- 3) **Choice A is correct.** **(3.NF.2)** Six equal parts means the first tick is at unit fraction $\frac{1}{6}$.
- 4) **Choice C is correct.** **(3.NF.2)** $\frac{3}{6} = \frac{1}{2}$. Both represent one-half of the circle.
- 5) **Choice A is correct.** **(3.OA.3)** First find figures per case: 3 rows \times 5 figures per row = 15 figures per case. Then multiply by number of cases: $15 \times 2 = 30$ figures altogether.
- 6) **Choice D is correct.** **(3.OA.5)** The area model shows a rectangle split into two parts: one part is $3 \times 2 = 6$ and the other is $2 \times 2 = 4$. Using the distributive property: $2 \times (3 + 2) = 2 \times 3 + 2 \times 2 = 6 + 4 = 10$.
- 7) **Choice D is correct.** **(3.NF.2)** Point D is at 2.5. Count from 0: the 10th fourth-mark is at $\frac{10}{4} = 2\frac{2}{4} = 2\frac{1}{2}$.
- 8) **Choice B is correct.** **(3.MD.8)** Square: $5 \times 5 = 25$ tiles. Equal row and column count.
- 9) **The correct answer is 20 square units.** **(3.MD.5)** $4 \times 3 = 12$, $2 \times 2 = 4$, and $2 \times 2 = 4$, so $12 + 4 + 4 = 20$ square units.
- 10) **Choice D is correct.** **(3.OA.1)** The array shows 12 items arranged in 4 rows with 3 items in each row. That division sentence is $12 \div 4 = 3$.
- 11) **Choice C is correct.** **(3.MD.6)** Count one row of unit squares: 6 squares. Check: 4 rows \times 6 per row = 24 total. So there are 6 unit squares in each row.
- 12) **Choice C is correct.** **(3.MD.2)** 5 L = 5000 mL. Divide: $5000 \div 200 = 25$ glasses. Tests estimation.
- 13) **The correct answer is 30 flowers.** **(3.MD.3)** Red: $6 \times 3 = 18$. Yellow: $4 \times 3 = 12$. Total: $18 + 12 = 30$.
- 14) **Choice A is correct.** **(3.MD.7)** Since $4 + 5 = 9$ and both parts share width 10, we use the distributive property.
- 15) **Choice B is correct.** **(3.MD.8)** Area = length \times width = $11 \times 3 = 33$ square inches.
- 16) **Choice D is correct.** **(3.NF.2)** $\frac{4}{4}$ means all 4 fourths. That is one whole, so the distance from 0 is 1.
- 17) **Choices A and B are correct.** **(3.OA.6)** A and B are correct because they show the two division facts from $7 \times 8 = 56$. C is false because $72 \div 9 = 8$, not 7. D is false because $20 \div 5 = 4$ and $5 \div 20$ is not a whole number; they are different. E is partially true but is a distractor because it doesn't test understanding of the inverse relationship.
- 18) **Choice D is correct.** **(3.OA.1)** $3 \times 6 = 18$ (three groups of six). James added $3 + 6 = 9$ instead of multiplying.
- 19) **Choice A is correct.** **(3.MD.5)** Area is the amount of space inside a flat shape, measured in square units.
- 20) **Choice D is correct.** **(3.OA.4)** In this fact family, $24 \div 3 = 8$. This is the division equation that matches the multiplication $3 \times 8 = 24$.
- 21) **Choice C is correct.** **(3.NBT.1)** The tens digit is 5. Since $5 \geq 5$, round up: 156 rounds to 200.
- 22) **Choice A is correct.** **(3.NF.3)** Each friend gets $\frac{1}{3}$, which is equivalent to $\frac{2}{6}$.
- 23) **Choice A is correct.** **(3.G.2)** When you count three unit fractions of $\frac{1}{6}$, you add: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6}$.
- 24) **The correct answer is 200.** **(3.NBT.3)** Multiply $4 \times 5 = 20$, then add one zero: $4 \times 50 = 200$.
- 25) **Choice D is correct.** **(3.OA.9)** $3 \times 1 = 3$, $3 \times 2 = 6$, $3 \times 3 = 9$, etc. The difference between consecutive products is always 3.
- 26) **Choice A is correct.** **(3.G.1)** A rectangle has two pairs of parallel sides: the top and bottom sides are parallel, and the left and right sides are parallel to each other.
- 27) **Choice D is correct.** **(3.MD.4)** At $5\frac{1}{2}$, there are zero X's. All other values have at least one X.
- 28) **Choice B is correct.** **(3.MD.7)** Area = length \times width. So $20 = 5 \times$ width. Width = $20 \div 5 = 4$ feet.
- 29) **Choice D is correct.** **(3.NBT.2)** $7 \times 5 = 35$. You can use the related division: $35 \div 5 = 7$.
- 30) **Choice A is correct.** **(3.NBT.2)** Ones: $6 + 4 = 10$ (write 0, carry 1). Tens: $1 + 8 + 1 = 10$ (write 0, carry 1). Hundreds: $2 + 3 + 1 = 6$. Answer: 600.



Hi, Math Champion!

◇ You trained hard! 10 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!

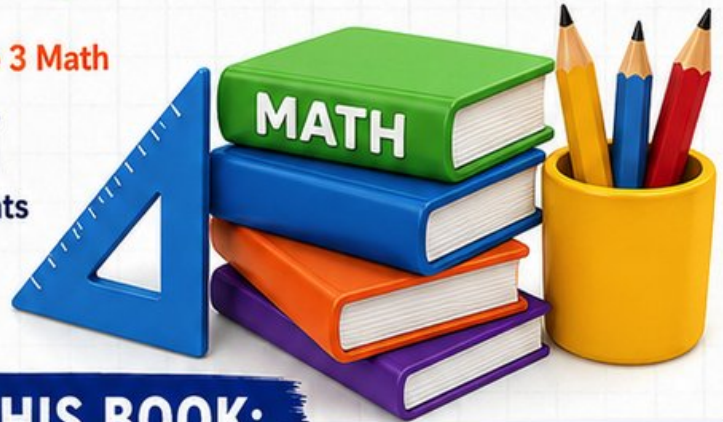
If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Coach

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