

7

Oklahoma

OSTP

Grade 3 MATH

PRACTICE TESTS

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



7 Full-Length
Practice Tests



Standards-Aligned
Math Practice



Detailed Answer Keys
and Explanations



Build Confidence.
Achieve Success.

PREPARE
PRACTICE
SUCCEED



$4 \times 6 = 24$

$2 + 3 = 5$



7 Oklahoma OSTP Grade 3 Math Practice Tests

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



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

Jay Daie and Reza Nazari



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Welcome to the Seven Math Trails

Seven full tests, seven fresh chances, and one braver Grade 3 thinker



Read the trail. Mark the clues. Solve with care.

To the Grade 3 Math Trail Leader

This book gives you seven complete practice trails for the Oklahoma OSTP. Each trail is a full 30-question test, so students can practice accuracy, stamina, and clear explanations over time.

Oklahoma has red-dirt roads, prairie winds, city murals, storm maps, and steady test habits, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and read conditions before choosing a strategy.

Scout

Find what the problem is asking before you calculate.

Solve

Pick an equation, model, array, graph, or number line.

Prove

Check the answer and explain the thinking clearly.

Seven-trail promise: I will work with patience, use my scratch space wisely, and let every correction make my next test stronger.

How to Use This Book

A seven-trail routine for steady Grade 3 growth

Use one practice trail at a time. The goal is not to rush through more pages. The goal is to finish, check, repair, and bring a stronger habit to the next test. For Oklahoma students, each trail moves through red-dirt roads, prairie winds, city murals, storm maps, and steady test habits: steady, alert, and ready for the next clue.

1. **Preview the tools.** Skim the reference page before each test.
2. **Take one test.** Work steadily and mark problems that need another look.
3. **Check the key.** Use the compact answer boxes first.
4. **Study explanations.** Read missed items and lucky guesses.
5. **Redo three problems.** Rewrite the work cleanly without copying.
6. **Name one habit.** Choose a focus such as labels, facts, fractions, or checking.
7. **Start the next trail.** Bring that habit into the next full test.

Best review habit: A missed problem is a trail marker. It shows where to slow down, look again, and choose a better step.



What Is Inside?

Seven complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–7	Solve seven different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Reference Materials	Review measurement and time facts before each test.	Keep common tools close without turning pages backward.
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 Oklahoma 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 Oklahoma OSTP path.



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1) Which pair of divisions belongs to the same fact family as $3 \times 8 = 24$?

A. $24 \div 3 = 8$ and $24 \div 8 = 3$

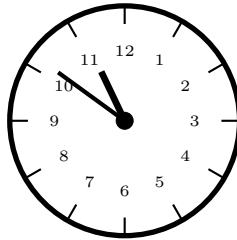
C. $24 - 3 = 21$ and $24 - 8 = 16$

B. $24 \div 4 = 6$ and $24 \div 6 = 4$

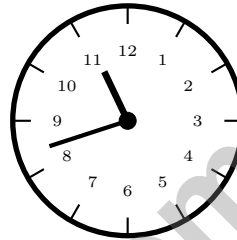
D. $24 + 3 = 27$ and $24 + 8 = 32$

2) Which clock shows a time of 10 : 51?

Option 1



Option 2



A. Option 1

C. Neither

B. Option 2

D. Both

3) Which fraction is NOT equivalent to $\frac{3}{6}$?

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

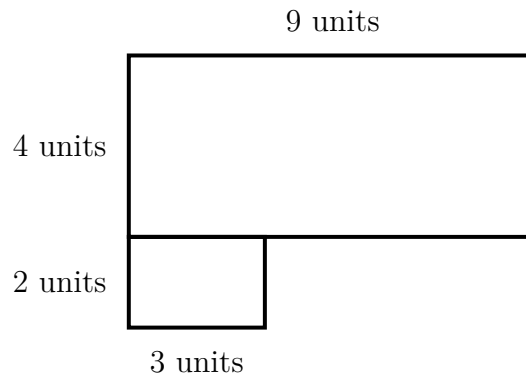
C. $\frac{4}{8}$

B. $\frac{2}{4}$

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



- 4) Eli has an L-shaped rug. The longer side is 9 units by 4 units. The shorter side is 3 units by 2 units. What is the total area of the rug?



- A. 36 sq units C. 42 sq units
 B. 6 sq units D. 216 sq units
- 5) Which missing-addend number sentence matches this situation? “Eli had 350 points. After losing some points, he has 127 points left. How many points did he lose?”

- A. $127 + ? = 350$ C. $350 - 127 = 127$
 B. $350 + 127 = ?$ D. $? - 350 = 127$



What is the product shown by this array?

- A. 10 C. 6
 B. 8 D. 12



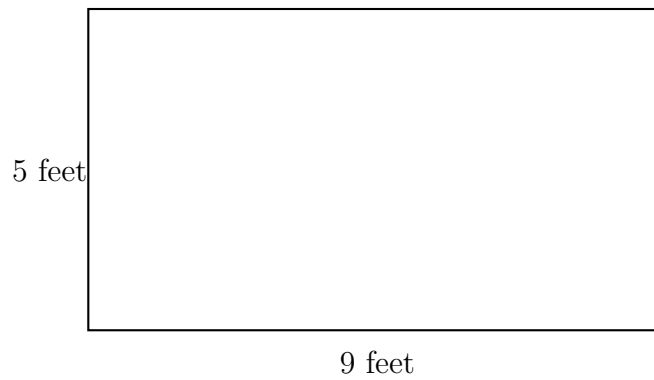
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- 7) Look at this number line divided into 3 equal parts. Which fraction is NOT on this line?



- A. $\frac{1}{3}$
 C. $\frac{3}{3}$
 B. $\frac{2}{3}$
 D. $\frac{1}{4}$
- 8) Which comparison is true?
- A. $\frac{2}{2} < \frac{2}{3}$
 C. $\frac{2}{3} > \frac{2}{2}$ ($3 > 2$)
 B. $\frac{2}{2} > \frac{2}{3}$ ($2/2 = \text{whole}$, $2/3 < \text{whole}$)
 D. $\frac{2}{3} = \frac{2}{2}$
- 9) Lily divides two number lines. One is divided into halves and another is divided into fourths. How many more fourths than halves are there in the same interval?
- A. 2 more
 C. The same
 B. 1 more
 D. 2 fewer
- 10) Which fraction is equivalent to $\frac{1}{2}$?
- A. $\frac{1}{4}$
 C. $\frac{2}{3}$
 B. $\frac{2}{4}$
 D. $\frac{1}{3}$





1)

A rectangular swimming pool is 9 feet long and 5 feet wide. What is the area?

- A. 28 sq ft C. 45 sq ft
 B. 14 sq ft D. 90 sq ft

2) A rectangle has area $6 \times (3 + 2)$. Which calculation uses the distributive property correctly?

- A. $6 \times 5 = 30$ C. $6 + 3 + 2 = 11$
 B. $(6 \times 3) + (6 \times 2) = 18 + 12 = 30$ D. $(3 \times 2) + (6) = 12$

3) What is 8×60 ?

Hundreds	Tens	Ones
4	8	0

- A. 68 C. 480
 B. 86 D. 4800



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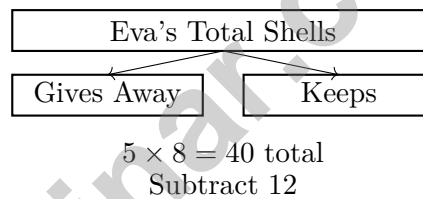
4) Which pair of rectangles MUST have the same area?

- A. A rectangle 2 units by 6 units, and a rectangle 3 units by 4 units
 C. A rectangle 4 units by 5 units, and a rectangle 5 units by 4 units
 B. A rectangle 5 units by 2 units, and a rectangle 4 units by 3 units
 D. A rectangle 6 units by 2 units, and a rectangle 2 units by 5 units

5) Ben has 4 sticker sheets with 8 stickers on each sheet. How many stickers does Ben have?

- A. 24 stickers
 C. 32 stickers
 B. 28 stickers
 D. 36 stickers

6) Eva collects 5 bags with 8 shells in each bag. She gives away 12 shells to her friend. How many shells does Eva keep?

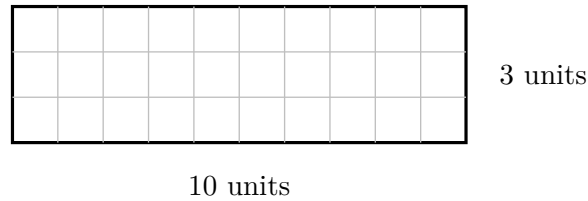


- A. 12
 C. 28
 B. 24
 D. 40

7) Which statement is true?

- A. One-half means dividing a whole into 3 equal parts
 C. One-fourth means dividing a whole into 3 equal parts
 B. One-third means dividing a whole into 3 equal parts
 D. One-sixth means dividing a whole into 5 equal parts





1)

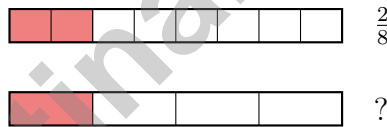
Count the unit squares. What is the area of this rectangle?

- A. 13 sq units C. 25 sq units
 B. 30 sq units D. 40 sq units

2) A fruit stand has 3 crates of oranges with 7 oranges each and 2 crates of lemons with 8 lemons each. How many pieces of fruit in total?

- A. 30 C. 40
 B. 48 D. 37

3) Which fraction is equivalent to $\frac{2}{8}$?



- A. $\frac{1}{4}$ C. $\frac{3}{4}$
 B. $\frac{2}{6}$ D. $\frac{1}{2}$

4) What number makes the equation true?

$$\square \div 2 = 9$$

- A. 19 C. 17
 B. 16 D. 18

5) Find $5 \times (7 + 4)$.

6) If you split the distance from 0 to 1 into 2 equal pieces, each piece is what fraction?

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

B. $\frac{2}{2}$ (the whole)

C. $\frac{1}{3}$ (confusing 2 with 3)

D. $\frac{2}{1}$ (reversed fraction)

7) Kai skip counts by 6: 6, 12, 18, 24, 30.

Which number should come next?

A. 32

B. 35

C. 36

D. 40

8) What is $45 \div 5$?

A. 8

B. 11

C. 10

D. 9

9) Round 893 to the nearest 100.

A. 800

B. 890

C. 893

D. 900

10) Find 6×4 .



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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

- Choice A is correct.** **(3.N.2.7)** The fact family for $3 \times 8 = 24$ includes the related divisions $24 \div 3 = 8$ and $24 \div 8 = 3$.
- Choice A is correct.** **(3.GM.3.2)** At 10 : 51, the minute hand points to 51 minutes, just past the 10. The hour hand is between 10 and 11, close to 11. Option 1 shows this accurately.
- Choice D is correct.** **(3.N.3.3)** $\frac{3}{6} = \frac{1}{2}$. Choices A, B, and C are all equivalent to $\frac{1}{2}$. Only $\frac{2}{3}$ is not equivalent.
- Choice C is correct.** **(3.GM.2.2)** Longer: $9 \times 4 = 36$ sq units. Shorter: $3 \times 2 = 6$ sq units. Total: $36 + 6 = 42$ sq units.
- Choice A is correct.** **(3.N.2.3)** This is a missing-addend equation: start with the 127 points left and add the missing amount to get back to 350.
- Choice D is correct.** **(3.GM.2.1)** The array shows 6 columns and 2 rows. So $6 \times 2 = 12$ or $2 \times 6 = 12$.
- Choice D is correct.** **(3.N.3.4)** This number line has thirds (3 equal parts), so only fractions with denominator 3 or 1 are tick marks. $\frac{1}{4}$ would need 4 equal parts.
- Choice B is correct.** **(3.N.3.1)** Same numerator (2): two halves = 1 whole, two thirds = part of a whole. Halves are bigger pieces than thirds. Rule: same numerator, smaller denominator ($2 < 3$) means bigger pieces, so $\frac{2}{2} > \frac{2}{3}$.
- Choice A is correct.** **(3.N.3.4)** There are 2 halves in the interval, but 4 fourths. So $4 - 2 = 2$ more fourths.
- Choice B is correct.** **(3.N.3.3)** $\frac{1}{2}$ and $\frac{2}{4}$ represent the same amount. Both show half of a whole.
- The correct answer is 24 unit squares.** **(3.GM.2.4)** Count the rows: 4 rows. Count across: 6 unit squares per row. Total: $6 + 6 + 6 + 6 = 24$ unit squares cover the rectangle.
- Choice D is correct.** **(3.GM.2.4)** This is a square: $6 \times 6 = 36$ square centimeters.
- Choice D is correct.** **(3.N.2.8)** Skip count by 10s: 10, 20, 30. There are 3 groups of 10 stars, so $3 \times 10 = 30$ stars total.
- Choices A and C are correct.** **(3.D.1.2)** 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).
- Choice B is correct.** **(3.GM.2.5)** 2 L = 2000 mL is the largest volume.
- Choice C is correct.** **(3.N.1.5)** The ones digit is 5. Since $5 \geq 5$, round up: 555 rounds to 560.
- The correct answer is 35 sq cm.** **(3.GM.2.1)** Area = length \times width, so $7 \times 5 = 35$ square centimeters.
- Choice B is correct.** **(3.N.3.3)** A circle with 3 equal parts has each part as $\frac{1}{3}$ (one-third).
- Choice C is correct.** **(3.N.3.4)** $\frac{3}{1} = 3$ (three wholes). $\frac{6}{2} = 6 \div 2 = 3$ wholes. $\frac{9}{3} = 9 \div 3 = 3$ wholes. All three equal 3.
- Choice D is correct.** **(3.N.2.1)** Area = $7 \times 5 = 35$ ft².
- Choice D is correct.** **(3.A.1.1)** From 5 to 10 is +5; from 10 to 15 is +5; and so on. This pattern is the same as multiplying 5 by 1, 2, 3, 4, 5, 6 (the multiplication table for 5).
- Choice C is correct.** **(3.D.1.2)** Apples: $2 \times 10 = 20$. Oranges: $3 \times 10 = 30$. Total: $20 + 30 = 50$.
- Choice B is correct.** **(3.GM.2.2)** A trapezoid is defined by having exactly one pair of parallel sides. This is what makes it different from a parallelogram.
- Choice D is correct.** **(3.N.2.8)** The associative property says we can group factors in different ways and still get the same product. The groups change, like $(2 \times 3) \times 4 = 6 \times 4 = 24$ or $2 \times (3 \times 4) = 2 \times 12 = 24$, but the product stays the same.
- The correct answer is 12 unit squares.** **(3.GM.2.2)** The rectangle is 6 units wide and 2 units tall: $6 \times 2 = 12$ unit squares.
- Choice A is correct.** **(3.GM.2.2)** $\frac{1}{4}$ of a rectangle divided into 4 equal parts means coloring 1 part.
- Choice D is correct.** **(3.GM.2.3)** $24 \div 6 = 4$. Divide the total marbles by the number of piles.
- Choice B is correct.** **(3.GM.2.6)** At least $6\frac{1}{4}$ means $6\frac{1}{4}$ and longer: $3 + 1 + 1 + 1 = 6$ ropes.
- Choice A is correct.** **(3.GM.2.1)** Both rectangles have width 3. Total length is $10 + 6 = 16$. Combined area is $(3 \times 10) + (3 \times 6) = 30 + 18 = 48$.
- Choice A is correct.** **(3.GM.2.3)** If $\square \div 4 = 9$, then the unknown is 36 because $4 \times 9 = 36$.



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Star Player Pep Talk

Hi, Star Player!

◇ 7 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 7 tests. It's real now! ★

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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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PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 7 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success
- ✓ Review, answer keys, and explanations



EACH PRACTICE TEST INCLUDES:



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Question
Types



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Math
Applications



Step-by-Step
Progress
Tracking



Build Skills
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