

6

Oklahoma OSTP

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 Oklahoma OSTP 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



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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 Oklahoma OSTP. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Oklahoma brings red-dirt roads, prairie winds, city murals, and storm maps. Strong math uses that same care: read the task, select a strategy, build the solution, and read conditions before choosing a strategy.

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 Oklahoma students, each lab is a short route through red-dirt roads, prairie winds, city murals, and storm maps: 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 Oklahoma Grade 3 standards connect to practice.	Understand the skills behind the questions.

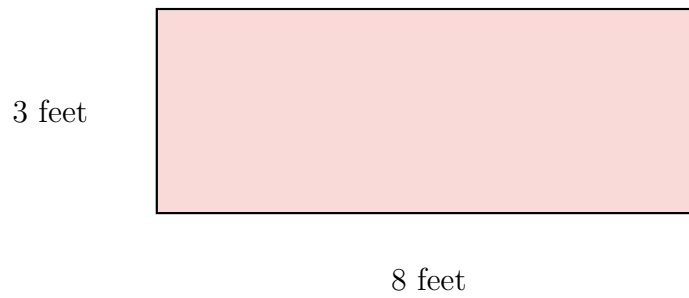
Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the Oklahoma OSTP path.



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1)

8 feet

A rectangular deck measures 8 feet by 3 feet. What is the area?

 A. 22 sq ft C. 11 sq ft B. 48 sq ft D. 24 sq ft2) What is $750 - 325$? A. 425 C. 515 B. 435 D. 525

3) Count the equal parts on this number line. What unit fraction does it show?

 A. $\frac{1}{3}$ C. $\frac{1}{5}$ B. $\frac{1}{4}$ D. $\frac{1}{6}$ 4) Lily colors $\frac{4}{6}$ of a poster red. Which fraction shows the SAME amount? A. $\frac{4}{8}$ C. $\frac{2}{3}$ B. $\frac{3}{4}$ D. $\frac{1}{6}$ 

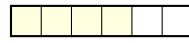
5) A school buys 9 boxes of crayons. They use 4 boxes in art class. Each remaining box has 10 crayons. How many crayons are left unused?

A. 40

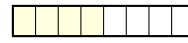
C. 60

B. 50

D. 90



$\frac{4}{6}$



$\frac{4}{8}$

6)

Compare $\frac{4}{6}$ and $\frac{4}{8}$. Which is true?

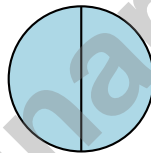
A. $\frac{4}{6} > \frac{4}{8}$ (same numerator, $6 > 8$)

D. $\frac{4}{8} > \frac{4}{6}$ (more pieces means more amount)

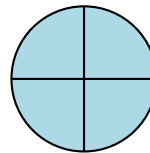
B. $\frac{4}{6} < \frac{4}{8}$ ($8 > 6$)

C. $\frac{4}{6} = \frac{4}{8}$

7) Look at the circle models. Which shows 1 whole in two different ways?



$\frac{2}{2}$



$\frac{4}{4}$

A. Only the left shows 1

C. Only the right shows 1

B. Both show 1 whole

D. Neither shows 1

8) Noah loses 3 of 6 marbles. What fraction did he lose in simplest form?



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- 9) A rectangle is divided into equal parts. Ben needs to shade $\frac{1}{6}$ of the rectangle. The rectangle has 6 equal parts. How many parts should Ben shade?



- A. 0 parts
- B. 1 part
- C. 2 parts
- D. 3 parts
- 10) Which expression shows the same product as 2×9 ?
- A. 11 objects in a row
- B. $2 + 9$
- C. 9×9
- D. 9×2
- 11) Which skip-counting pattern has all even numbers?
- A. Skip count by 3: 3, 6, 9, 12, ...
- B. Skip count by 7: 7, 14, 21, 28, ...
- C. Skip count by 5: 5, 10, 15, 20, ...
- D. Skip count by 2: 2, 4, 6, 8, ...
- 12) Eli can group factors two ways. Which gives the same answer?
- A. $(3 \times 4) \times 2$ and $3 \times (4 \times 2)$
- B. $(3 \times 4) \times 2$ and $3 + (4 \times 2)$
- C. $(3 \times 4) \times 2$ and $(3 + 4) \times 2$
- D. $(3 \times 4) \times 2$ and $3 \times 4 - 2$



1) A bakery puts 20 cupcakes into boxes of 5. How many boxes do they fill?

A. 3

C. 5

B. 100

D. 4



$\frac{1}{4}$

pizza A



$\frac{1}{6}$

pizza B

2)

The bars show $\frac{1}{4}$ of pizza A and $\frac{1}{6}$ of pizza B. Pizza B is bigger than pizza A. Can you say $\frac{1}{4} > \frac{1}{6}$?

A. Yes, because fourths are always bigger than sixths

C. Yes, the picture shows it

B. No, we can only compare when the wholes are the same size

D. No, because 6 is bigger than 4

3) Round 589 to the nearest 100.

A. 500

C. 590

B. 580

D. 600

4) A picture graph shows flowers. Each flower symbol means 3 flowers. If there are 2 symbols for red flowers and 4 symbols for yellow flowers, how many flowers are there in total?

A. 6

C. 18

B. 12

D. 24

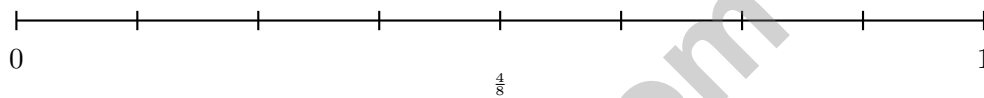


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5) A classroom has a floor that is completely covered with square tiles. The floor is 8 tiles long and 5 tiles wide. Does the size of each tile affect how many tiles cover the floor?

- A. Yes, bigger tiles need fewer to cover the area C. Tiles don't affect area at all
 B. No, you always need $8 \times 5 = 40$ tiles no matter tile size D. Area depends only on the number of tiles

6) On a number line from 0 to 1 divided into 8 equal parts, which two fractions name the same point?



- A. $\frac{1}{2}$ and $\frac{4}{8}$ C. $\frac{3}{8}$ and $\frac{5}{8}$
 B. $\frac{2}{8}$ and $\frac{3}{8}$ D. $\frac{2}{4}$ and $\frac{6}{8}$

7) Lily bakes 36 cupcakes. She divides them equally into 4 boxes. She sells 2 boxes. How many cupcakes does she have left?

- A. 9 C. 27
 B. 18 D. 36

8) A rectangular piece of fabric is 10 feet long and 2 feet wide. What is the total area of the fabric?

- A. 12 sq ft C. 24 sq ft
 B. 20 sq ft D. 5 sq ft



1) Two shelves each have cookies. Shelf 1 has 3 piles of 4 cookies. Shelf 2 has 4 piles of 3 cookies. How many cookies on each shelf?

- A. Shelf 1 has more
 B. Shelf 2 has more

- C. Both shelves have 7 cookies
 D. Both shelves have 12 cookies

2) Ben is building a rectangular frame that is 8 units long and 4 units wide. What is the area he needs to fill?

- A. 12 sq units
 B. 32 sq units

- C. 24 sq units
 D. 64 sq units

3) Ben reads from 2 : 17 to 3 : 05. How many minutes does he read?

4) A shape has two connected rectangles. Areas are 21 sq units and 18 sq units. What is the total area?

- A. 3 sq units
 B. 39 sq units

- C. 42 sq units
 D. 378 sq units

5) Look at the fraction bars. Are $\frac{3}{6}$ and $\frac{1}{2}$ equivalent?


 $\frac{3}{6}$

 $\frac{1}{2}$

- A. Yes, both show half
 B. No, $\frac{3}{6}$ is larger

- C. No, $\frac{1}{2}$ is larger
 D. Cannot tell from the bars



6) Ava's book cover is shaped like a square with sides of 9 inches. What is the area?

A. 18 sq in

C. 72 sq in

B. 36 sq in

D. 81 sq in

7) A line plot shows eraser weights in grams: 10, $10\frac{1}{2}$, 11, $11\frac{1}{2}$. At 10 grams there are 2 X's. At $10\frac{1}{2}$ there are 4 X's. At 11 there are 2 X's. How many erasers total?

A. 6

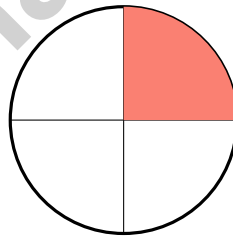
C. 10

B. 8

D. 12

8) Find a fraction equivalent to $\frac{2}{6}$.

9) Look at the picture. The circle is divided into equal parts.



What unit fraction is shaded?

A. $\frac{1}{4}$

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

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

D. $\frac{4}{4}$



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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

- 1) **Choice D is correct.** **(3.GM.2.1)** Area = length \times width = $8 \times 3 = 24$ square feet.
- 2) **Choice A is correct.** **(3.N.2.3)** Ones: $0 - 5$ requires regrouping, so $10 - 5 = 5$. Tens: $4 - 2 = 2$. Hundreds: $7 - 3 = 4$. Answer: 425.
- 3) **Choice B is correct.** **(3.N.3.4)** Four equal parts on the number line give unit fraction $\frac{1}{4}$.
- 4) **Choice C is correct.** **(3.GM.2.4)** $\frac{4}{6} = \frac{2}{3}$ because both represent two-thirds of the poster.
- 5) **Choice B is correct.** **(3.D.1.2)** Step 1: Remaining boxes: $9 - 4 = 5$ boxes. Step 2: Crayons in remaining boxes: $5 \times 10 = 50$ crayons. (Choice C is the answer to step 1 multiplied by 12; choice D is step 1 error times 10.)
- 6) **Choice A is correct.** **(3.N.3.1)** Same numerator (4): sixths are bigger pieces than eighths. Comparing the shaded areas: 4 sixths covers more than 4 eighths. The fewer pieces the denominator divides into, the bigger each piece.
- 7) **Choice B is correct.** **(3.N.3.4)** $\frac{2}{2}$ and $\frac{4}{4}$ are both 1 whole. Numerator = denominator means you have all the parts.
- 8) **The correct answer is $\frac{1}{2}$.** **(3.N.3.3)** $\frac{3}{6} = \frac{1}{2}$.
- 9) **Choice B is correct.** **(3.GM.2.2)** $\frac{1}{6}$ of a rectangle divided into 6 parts means shading 1 part.
- 10) **Choice D is correct.** **(3.GM.2.1)** 2×9 and 9×2 both equal 18 by the commutative property of multiplication.
- 11) **Choice D is correct.** **(3.A.1.1)** Skip counting by an even number always gives all even numbers.
- 12) **Choice A is correct.** **(3.N.2.8)** By the associative property, $(3 \times 4) \times 2 = 3 \times (4 \times 2) = 24$. Both ways of grouping give the same product.
- 13) **Choice B is correct.** **(3.GM.2.5)** Subtract the milk already in the cup: $900 - 600 = 300$ mL needed.
- 14) **Choice C is correct.** **(3.GM.2.4)** If area = length times width, then $20 = 5 \times w$. So $w = 4$ feet. Working backward from area is harder but uses the same idea.
- 15) **Choice B is correct.** **(3.N.3.3)** The rectangle has 3 equal parts, and 1 part is shaded. The unit fraction is $\frac{1}{3}$ (one-third).
- 16) **Choices A and C are correct.** **(3.GM.2.4)** Rectangles and squares with whole-number dimensions can be covered exactly by unit square tiles without gaps or leftovers. Choice A is a 3×7 rectangle = 21 tiles. Choice C is a 5×5 square = 25 tiles. Shapes with curves (B, E) or triangular points (D) cannot be covered cleanly with square tiles alone.
- 17) **Choice D is correct.** **(3.N.2.1)** Area = rows \times columns = $4 \times 5 = 20$ square units.
- 18) **Choice D is correct.** **(3.GM.3.2)** $\frac{3}{3} = 1$, so the tick is at the right endpoint of the 0-to-1 segment.
- 19) **Choice A is correct.** **(3.N.1.5)** The tens digit is 4. Since $4 < 5$, round down: 945 rounds to 900.
- 20) **Choice A is correct.** **(3.N.2.1)** Each shelf has the same number of games, so multiply the equal groups: $4 \times 7 = 28$ video games.
- 21) **The correct answer is 2 X's.** **(3.GM.2.6)** Two leaves measured exactly $2\frac{1}{4}$ inches, so there would be 2 X's above the $2\frac{1}{4}$ mark.
- 22) **Choice D is correct.** **(3.N.2.8)** $7 \times 7 = 49$. Seven groups of 7 equals 49.
- 23) **Choice A is correct.** **(3.GM.2.2)** Part 1: $9 \times 3 = 27$ sq units. Part 2: $4 \times 3 = 12$ sq units. Total: $27 + 12 = 39$ sq units.
- 24) **Choice B is correct.** **(3.N.3.4)** The first tick mark on a number line divided into 2 equal parts is $\frac{1}{2}$.
- 25) **Choice A is correct.** **(3.GM.2.2)** Shape M is $2 \times 2 = 4$ unit squares. Shape N is $4 \times 1 = 4$ unit squares. Both are equal.
- 26) **Choice D is correct.** **(3.GM.2.3)** $18 \div 6 = 3$. The picture shows 6 equal groups, each with 3 items.
- 27) **Choice D is correct.** **(3.GM.2.4)** $5 \times 8 = 40$ unit squares.
- 28) **Choice A is correct.** **(3.N.2.8)** $5 \times 70 = (5 \times 7) \times 10 = 35 \times 10 = 350$. By decomposing $70 = 7 \times 10$ and using the associative property, we see that only choice A equals 350.
- 29) **The correct answer is 4 sides.** **(3.GM.2.2)** A rectangle is a quadrilateral, so it has 4 sides.
- 30) **Choice A is correct.** **(3.N.3.3)** Both rectangles show the same shaded area. $\frac{3}{4} = \frac{6}{8}$ because $\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$.

Practice Test 2 Answers and Explanations



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Ahoy, Math Sailor!

◇ You sailed through 6 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 6 practice tests. You will reach safe harbor!

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

Jay Daie

Your Math Captain

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:

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- ✓ Homework & Review
- ✓ Test Preparation

★ **PREPARE TODAY.
SUCCEED TOMORROW!**

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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:

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



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Builds Critical Thinking & Problem-Solving