

7

Oklahoma

OSTP

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$

7 Oklahoma OSTP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven complete 30-question Grade 4 practice rounds for OSTP, built around red-dirt roads, prairie skies, and clear operation choices, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Oklahoma Math Explorer!

Seven steady rounds on the Sooner State math route

This book gives you seven full Grade 4 practice tests for OSTP. Each round uses red-dirt roads, prairie skies, and clear operation choices to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Oklahoma 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 Oklahoma OSTP 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 Sooner 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?

Seven tests, 210 questions, and a full OSTP 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 5–7	Stamina rounds for mixed review, neat work, and flexible strategies.
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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& answers

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1) Write 0.7 as an equivalent decimal in hundredths.

2) There are 2 balloons. There are 7 times as many stickers. How many stickers are there?

A. 7

C. 9

B. 2

D. 14

3) Ming shares a pizza cut into 12 equal slices. He eats 3 slices. Show how many slices he ate as a sum of unit fractions.

A. $\frac{3}{12}$

C. $\frac{1}{3} + \frac{1}{3}$

B. $\frac{1}{12} + \frac{1}{12} + \frac{1}{12}$

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

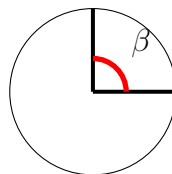
4) A recipe is for 2 people and uses $\frac{3}{4}$ cup of oil. How much oil is needed if you make the recipe for 8 people (4 times the recipe)?

A. $\frac{12}{4}$ cups (or 3 cups)

C. $\frac{8}{4}$ cups (or 2 cups)

B. $\frac{4}{3}$ cups

D. $\frac{12}{16}$ cup



5)

What is the measure of the angle shown?

A. 45°

C. 135°

B. 90°

D. 180°



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6) Sam has $1\frac{2}{4}$ yards of red ribbon and $2\frac{1}{4}$ yards of blue ribbon. How many yards of ribbon does Sam have in total?

A. $2\frac{3}{4}$ yards

C. $3\frac{3}{4}$ yards

B. $3\frac{2}{4}$ yards

D. $4\frac{1}{4}$ yards

7) A pattern is: 1, 4, 9, 16, 25, ... What is the next term?

A. 30

C. 36

B. 35

D. 40

8) Ava has $\frac{2}{10}$ of a pizza. What fraction with denominator 100 is this equal to?

A. $\frac{2}{100}$

C. $\frac{20}{100}$

B. $\frac{12}{100}$

D. $\frac{22}{100}$

9) A paper is folded. The fold creates an angle of 70° . Another fold creates an angle of 20° . If both folds meet at the same point, what is the combined angle measure?

A. 50°

C. 100°

B. 90°

D. 140°

10) Complete the table of factor pairs for 42:

First Factor	Second Factor
1	42
2	21
3	?
6	7

A. 12

C. 18

B. 39

D. 14



11) Mia has 0.4 of a pizza. How can she write this as a fraction with denominator 10?

A. $\frac{4}{100}$

B. $\frac{4}{10}$

C. $\frac{40}{100}$

D. $\frac{4}{1000}$

12) Liam starts his homework at 3:15 p.m. and finishes at 4:45 p.m. How much time did he spend on homework?

 A. 30 minutes B. 45 minutes C. 60 minutes D. 90 minutes

13) A book club buys 9 bundles of books. Each bundle has 15 books. If they distribute all books to 5 libraries equally, how many books does each library receive?

 A. 24 books B. 25 books C. 30 books D. 27 books

14) Select the TWO statements that are true about the number 6,543.

 A. The digit 5 is in the hundreds place. B. The value of the digit 6 is 600. C. The digit 3 is in the tens place. D. The value of the digit 4 is 40. E. The digit 6 appears twice in the number.

15) At a corner of a square, what is the angle measure?



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1) Which describes a key difference between a square and a rhombus?

- A. A square has four sides; a rhombus does not.
- B. A square has right angles; a rhombus may not.
- C. A rhombus has parallel sides; a square does not.
- D. A square has parallel sides; a rhombus does not.

2) What is 7,149 rounded to the nearest ten?

- A. 7,100
- B. 7,000
- C. 7,140
- D. 7,150

3) Which real-world object best shows a right angle?

A. Clock



B. Table corner



C. Pencil



D. Slice of pie



- A. Clock
- B. Table corner
- C. Pencil
- D. Slice of pie

4) A line plot shows student jump distances in eighths of a foot. The data are: $\frac{2}{8}$ ft, $\frac{3}{8}$ ft, $\frac{5}{8}$ ft, $\frac{2}{8}$ ft, $\frac{3}{8}$ ft, $\frac{3}{8}$ ft, $\frac{3}{8}$ ft, $\frac{5}{8}$ ft. What is the difference between the longest and shortest jump distances?



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5) A digit has a value of 7,000. What is the place value of this digit?

- A. Hundreds C. Tens
 B. Ones D. Thousands

6) Looking at this pattern, what is the rule?

8, 16, 24, 32, 40, ...

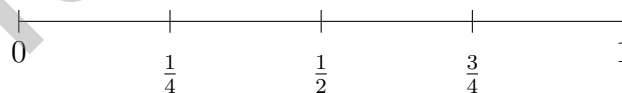
- A. Subtract 8 C. Multiply by 2
 B. Add 6 D. Add 8

7) A bake sale made 1,800 cookies. They filled boxes with 9 cookies in each box. How many full boxes were made?

- A. 100 C. 200
 B. 150 D. 250

8) How many unit fractions of $\frac{1}{9}$ make $\frac{5}{9}$?

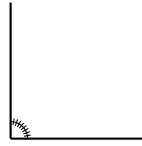
9) Three fractions are shown on the number line. Which is closest to 1?



- A. $\frac{1}{4}$ C. $\frac{3}{4}$
 B. $\frac{1}{2}$ D. All are equally close



1)



This is a right angle. How many one-degree angles make a right angle?

- A. 45 one-degree angles C. 90 one-degree angles
 B. 180 one-degree angles D. 360 one-degree angles

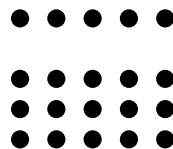
2) A child spins a bottle. It rotates $\frac{1}{9}$ of a full turn. How many degrees is this?

- A. 30° C. 40°
 B. 35° D. 45°

3) A bookstore receives 7 shipments of books. Each shipment has 256 books. How many books are received?

- A. 1792 C. 1589
 B. 1648 D. 1856

5 apples



4)

3 times as many

Priya picked 5 apples. Her sister picked 3 times as many apples. How many apples did her sister pick?

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



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Practice Test Answer Keys

How to use this section with a Grade 4 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) **The correct answer is 0.70.** (4.N.3.1) A trailing zero doesn't change the value. Both 0.7 and 0.70 equal the same amount.
- 2) **Choice D is correct.** (4.A.2.2) "7 times as many" is a multiplication clue: $2 \times 7 = 14$ stickers.
- 3) **Choice B is correct.** (4.N.3.4) Ming ate 3 slices out of 12 equal slices, so the fraction is $\frac{3}{12}$. Breaking this into unit fractions: $\frac{3}{12} = \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ —three slices, each representing $\frac{1}{12}$ of the pizza.
- 4) **Choice A is correct.** (4.A.2.2) The recipe is for 2 people and uses $\frac{3}{4}$ cup of oil. Making it for 8 people (4 times the recipe) needs $4 \times \frac{3}{4} = \frac{12}{4} = 3$ cups.
- 5) **Choice B is correct.** (4.GM.2.1) The diagram shows a right angle between horizontal and vertical rays. The measure is 90° .
- 6) **Choice C is correct.** (4.N.3.4) Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$. The total is $3\frac{3}{4}$ yards.
- 7) **Choice C is correct.** (4.N.4.1) These are perfect squares: $1^2 = 1$, $2^2 = 4$, $3^2 = 9$, $4^2 = 16$, $5^2 = 25$. The next is $6^2 = 36$.
- 8) **Choice C is correct.** (4.N.3.1) To convert $\frac{2}{10}$ to a fraction with denominator 100, multiply both numerator and denominator by 10: $\frac{2}{10} = \frac{2 \times 10}{10 \times 10} = \frac{20}{100}$.
- 9) **Choice B is correct.** (4.GM.2.1) The two folds meet at a point. Combine their angles: $70^\circ + 20^\circ = 90^\circ$.
- 10) **Choice D is correct.** (4.N.4.1) We need a number that pairs with 3 to make 42. Ask: $3 \times ? = 42$. Since $3 \times 14 = 42$, the missing factor is 14.
- 11) **Choice B is correct.** (4.N.3.1) 0.4 is zero point four, which is four tenths: $0.4 = \frac{4}{10}$. That's the answer Mia is looking for.
- 12) **Choice D is correct.** (4.D.1.2) Liam starts at 3:15 p.m. and finishes at 4:45 p.m. From 3:15 to 4:15 is 60 minutes, plus 30 more minutes to 4:45. Total: $60 + 30 = 90$ minutes. He spends **90** minutes on homework.
- 13) **Choice D is correct.** (4.N.2.3) Two steps! Step 1: total books from all bundles: $9 \times 15 = 135$ books. Step 2: divide equally among 5 libraries: $135 \div 5 = 27$ books each.
- 14) **The correct answer is A, D.** (4.N.3.8) A is true: 5 is in the hundreds place. D is true: 4 is in the tens place ($4 \times 10 = 40$). B, C, E are false. Answer: A and D. ✓
- 15) **The correct answer is 90.** (4.GM.1.1) The corner of a square is always a right angle, and a right angle is always 90° .
- 16) **Choice A is correct.** (4.N.3.4) The book has two parts with fractional chapters. Add the mixed numbers: $4\frac{2}{6} + 2\frac{3}{6} = 6\frac{5}{6}$ chapters total.
- 17) **Choice A is correct.** (4.N.2.5) Distribute: $14 \times (30 + 5) = 420 + 70 = 490$ people.
- 18) **Choice A is correct.** (4.N.2.2) The first step is to add the ones place: $6 + 9 = 15$. We write 5 and carry 1 to the tens place. This is $6 + 9 = 15$ (write 5, carry 1).
- 19) **Choice C is correct.** (4.D.1.3) Since 1 kilogram = 1,000 grams, multiply: $2 \times 1,000 = 2,000$ g. The answer is **2,000** g.
- 20) **Choice C is correct.** (4.A.2.2) Diego hops in sixths. After 6 hops, he reaches $6 \times \frac{1}{6} = \frac{6}{6} = 1$.
- 21) **Choice D is correct.** (4.N.1.4) We're rounding to the nearest hundred. Look at the tens digit: 4. Since $4 < 5$, we round DOWN. The hundreds digit stays at 5, giving us **87,500**. ✓
- 22) **Choice C is correct.** (4.GM.2.2) From the diagram: length is 5 m and width is 4 m. Area = $5 \times 4 = 20$ sq m.
- 23) **Choice A is correct.** (4.N.3.4) Look at the bar—the light blue section is $\frac{2}{6}$ and the dark blue is $\frac{3}{6}$. Add them: $2 + 3 = 5$, so $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$. ✓
- 24) **Choice C is correct.** (4.GM.1.1) A rhombus has four equal sides and two pairs of parallel sides, but does not require right angles. The figure shows equal sides marked on all four sides with no right angles, which defines a rhombus. The answer is C.
- 25) **The correct answer is 75.** (4.GM.2.1) To measure an angle of 75° , place the baseline ray at 0° and draw the second ray pointing to the 75° mark. Since 75° is between 45° and 90° , it's an acute angle. The answer is **75** degrees.
- 26) **Choice A is correct.** (4.GM.2.1) The angle spans from 0° to the 63° mark, measuring **63**°.



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Hi, Math Champion!

◇ Look what you did! 7 full practice tests. That's hundreds of math problems. You started as a learner. You are now a math athlete. ◇

★ **Champions know:** hard work pays off. You did the hard work. Your math skills are strong because you practiced. ★

Champion's Stats

- **Focus:** HIGH! You stay on task.
- **Speed:** STRONG! You move at the right pace.
- **Accuracy:** SHARP! You catch your own mistakes.
- **Mindset:** CHAMPION! You believe in yourself.

Champion tip: on test day, walk in proud. You trained for this. You are ready!

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

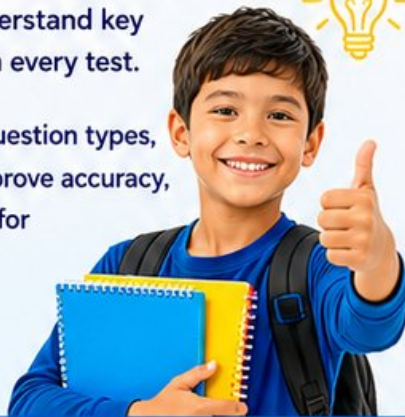
Jay Daie

Your Math Coach

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



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- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Confidence Building
- ✓ Skill Reinforcement

★ CONFIDENCE IN MATH.
SUCCESS FOR LIFE.

WHAT STUDENTS WILL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ And More!



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Mixed Question Types



Answer Key Included