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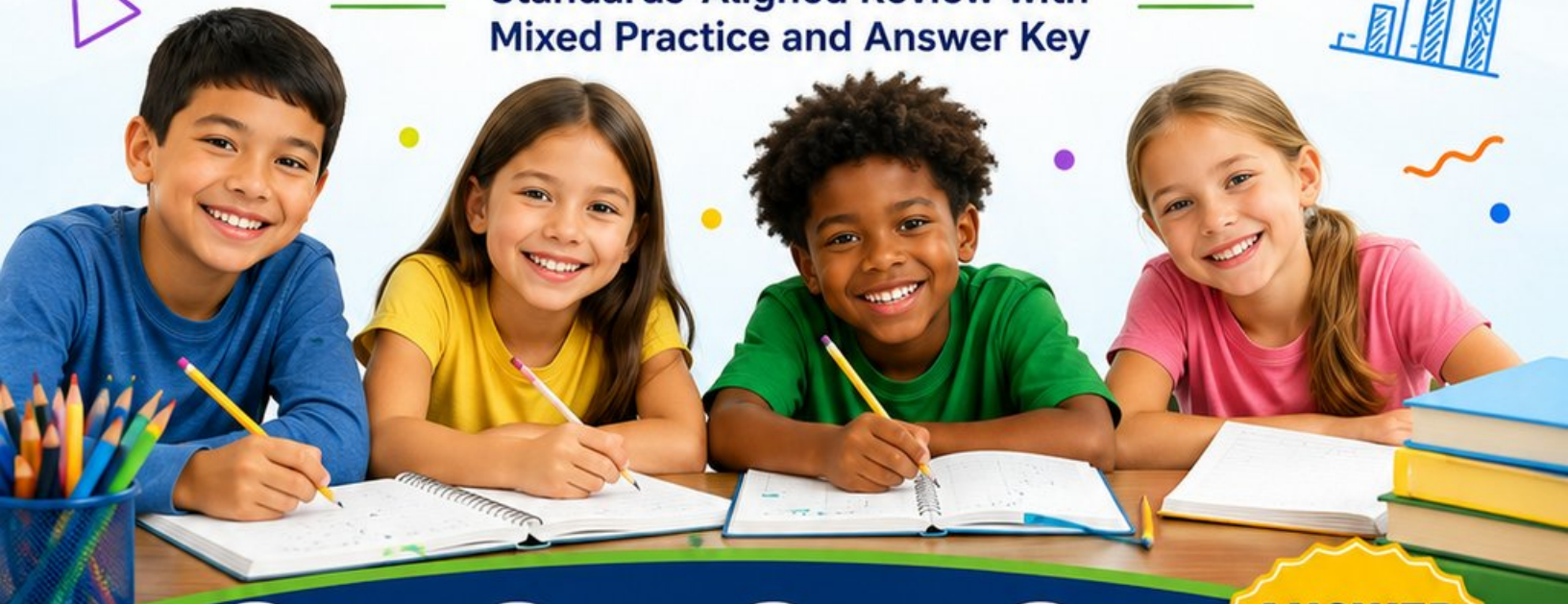
Ohio

OST

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



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

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



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

7 Ohio OST Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven complete 30-question Grade 4 practice rounds for OST, built around river bends, lake breezes, and strong test-day routines, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Ohio Math Explorer!

Seven steady rounds on the Buckeye State math route

This book gives you seven full Grade 4 practice tests for OST. Each round uses river bends, lake breezes, and strong test-day routines to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Ohio 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 Ohio OST 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 Buckeye 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 OST 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.

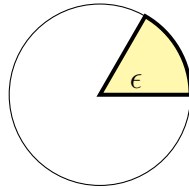
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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& answers

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1)

The shaded sector shown measures 60° . How many sectors like this fit around the entire circle?

 A. 4 C. 8 B. 6 D. 12

2) Which fraction equals thirty-five hundredths?

 A. $\frac{35}{10}$ C. $\frac{35}{100}$ B. $\frac{3}{5}$ D. $\frac{53}{100}$ 3) A straight angle measures 180° . If it is split into two angles, and one angle is 125° , what is the measure of the other angle? A. 55° C. 305° B. 65° D. 180°

4) A rope is 48 inches long. If it is cut into 6 equal pieces, how long is each piece?

 A. 6 inches C. 42 inches B. 8 inches D. 54 inches

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5) Ava's garden is a rectangle. It is 18 feet long and 12 feet wide. She wants to put a fence around it. How many feet of fencing does she need?

A. 30 ft

B. 60 ft

C. 216 ft

D. 120 ft

6) A farmer plants 5 rows of vegetables. Each row has 15 plants. How many plants does the farmer plant in total?

7) Is 25 prime or composite?

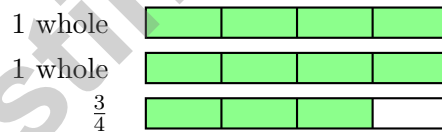
A. Prime

B. Both

C. Neither

D. Composite

8) Two full fraction bars and part of a third show a mixed number:



This represents which mixed number?

A. $2\frac{1}{4}$

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

C. $2\frac{3}{4}$

D. $3\frac{1}{4}$



9) Order these fractions from least to greatest: $\frac{1}{4}, \frac{1}{2}, \frac{1}{3}$.

A. $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}$

C. $\frac{1}{3}, \frac{1}{4}, \frac{1}{2}$

B. $\frac{1}{4}, \frac{1}{2}, \frac{1}{3}$

D. $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}$

10) Which fraction bar shows $\frac{4}{6} + \frac{2}{6}$?



$$\frac{4}{6} \text{ (green)} + \frac{2}{6} \text{ (orange)}$$

A. $\frac{4}{12}$

C. $\frac{6}{12}$

B. $\frac{6}{6}$

D. $\frac{6}{8}$

11) A paint can contains $6\frac{2}{3}$ quarts of paint. After painting a room, $2\frac{1}{3}$ quarts are left. How much paint was used?

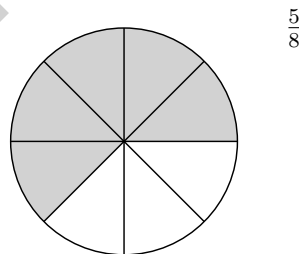
A. $4\frac{1}{3}$

C. $8\frac{3}{3}$

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

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

12) On a pie chart divided into 8 equal slices, how many slices represent $\frac{5}{8}$ of the pie?



A. 2 slices

C. 5 slices

B. 3 slices

D. 8 slices



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1) What is $8\frac{3}{4} - 5\frac{1}{4}$?

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

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

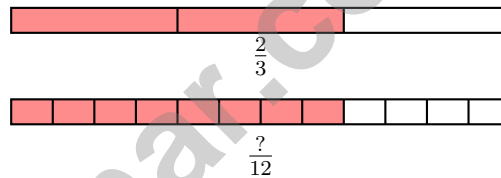
2) A basketball game starts at 6:00 p.m. and ends at 8:30 p.m. How long is the game?

Start	End
6:00 p.m.	8:30 p.m.

- A. 1 hour
- B. 2 hours

- C. 2 hours 30 minutes
- D. 3 hours

3) Look at the two fraction strips. Both are the same length.

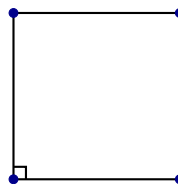


What number replaces the question mark?

- A. 4
- B. 6

- C. 8
- D. 10

4) How many right angles are shown in this figure?



- A. 1 right angle
- B. 2 right angles

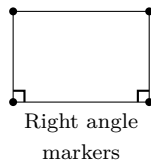
- C. 3 right angles
- D. 4 right angles



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5) Which is greater, $\frac{3}{5}$ or $\frac{1}{2}$?

6) Look at the figure. How many angles are marked as right angles?



A. One

B. Two

C. Three

D. Four

7)



What is the measure of angle γ ?

A. 45°

B. 60°

C. 90°

D. 135°

8) An ant model is 5 centimeters long. How many millimeters is this?

A. 5

B. 50

C. 500

D. 5,000



5) What is $4 \times \frac{1}{3}$?

A. $\frac{4}{3}$ or $1\frac{1}{3}$

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

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

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

6) A school library has 12 books about animals. It has 4 times as many books about sports. How many sports books does the library have?

A. 16

B. 32

C. 42

D. 48

7) Look at the place-value table and find the missing decimal.

Tenths	Hundredths	Decimal
5	8	?

What is the decimal?

A. 0.58

B. 0.85

C. 5.8

D. 58.0

8) If an angle measures 55° , how many one-degree angles make it?

A. 5.5 one-degree angles

B. 55 one-degree angles

C. 110 one-degree angles

D. 550 one-degree angles

9) Diego's dog weighs 48 pounds. How many ounces does the dog weigh?

A. 4

B. 96

C. 384

D. 768



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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

- Choice B is correct.** (4.MD.5) A circle is 360° total, and each sector is 60° : $360^\circ \div 60^\circ = 6$ sectors.
- Choice C is correct.** (4.NF.5) The phrase “thirty-five hundredths” means $\frac{35}{100}$, which you write as a decimal: 0.35.
- Choice A is correct.** (4.MD.7) Since a straight angle measures 180° , subtract the known part: $180^\circ - 125^\circ = 55^\circ$.
- Choice B is correct.** (4.MD.2c) A 48-inch rope is cut into 6 equal pieces. Divide: $48 \div 6 = 8$ inches. Each piece is 8 inches long.
- Choice B is correct.** (4.MD.3) Fencing needed = $2(18) + 2(12) = 36 + 24 = 60$ ft.
- The correct answer is 75.** (4.OA.3) Equal rows means multiply: 5 rows \times 15 plants = **75** plants.
- Choice D is correct.** (4.OA.4) Look for any factor besides 1 and itself. $25 = 5 \times 5$, so 5 is a factor too. That gives factors 1, 5, 25—more than two—so 25 is **composite**.
- Choice C is correct.** (4.NF.3) Two complete bars (that’s 2 wholes), then $\frac{3}{4}$ of the third bar. Total: **$2\frac{3}{4}$** ✓.
- Choice D is correct.** (4.NF.1) All have numerator 1, so compare denominators: bigger denominators mean smaller pieces. Order: $4 < 3 < 2$, so $\frac{1}{4} < \frac{1}{3} < \frac{1}{2}$.
- Choice B is correct.** (4.NF.3) The fraction bar is divided into 6 equal parts. The coral shows $\frac{4}{6}$ and the orange shows $\frac{2}{6}$. Add them: $4 + 2 = 6$ parts, or **1** whole.
- Choice A is correct.** (4.NF.3) The paint can started full and some was used. Subtract what remains from the starting amount: $6\frac{2}{3} - 2\frac{1}{3} = 4\frac{1}{3}$ quarts of paint was used.
- Choice C is correct.** (4.NF.4) The circle is divided into 8 equal slices. The fraction $\frac{5}{8}$ means 5 of those slices are shaded. So there are **5** slices.
- Choice A is correct.** (4.MD.6) This angle measures about 70° . When we round to the nearest 10 degrees, it stays at 70° because 70° is right at the mark. The answer is **70** degrees.
- Choice D is correct.** (4.OA.4) Each figure has as many blocks as its number: Figure 1 has 1, Figure 2 has 2, Figure 3 has 3. So Figure 8 has **8** blocks.
- Choice B is correct.** (4.NF.5) Divide the numerator and denominator by 10 to simplify: $\frac{10}{100} = \frac{1}{10}$.
- Choice C is correct.** (4.NF.4) Seven jars, each holding $\frac{1}{4}$ liter of honey, give us $7 \times \frac{1}{4} = \frac{7}{4}$ liters.
- Choice D is correct.** (4.NF.3) The number line shows four arrows, each jumping $\frac{1}{4}$. Counting them: **4** jumps of $\frac{1}{4}$ equal 1 whole.
- The correct answer is B, C.** (4.OA.1) Equations that show “2 times as many” have 2 as a factor in the multiplication. Choice B ($10 = 2 \times 5$) and choice C ($14 = 2 \times 7$) both do. Choices A and D show addition (not multiplication), and choice E has 6 as the multiplier, not 2.
- Choice D is correct.** (4.OA.2) The counter diagram shows 3 rows of 5 apples—that’s “3 times as many.” Multiply: $3 \times 5 = 15$ apples.
- Choice A is correct.** (4.NF.4) For $5 \times \frac{1}{2}$, we need 5 bars, each divided in half with one half shaded in each. Picture A shows five bars with one-half shaded in each bar. The answer is Picture A.
- The correct answer is 6.** (4.MD.4) Add up all the X marks: $1 + 2 + 3 = 6$ X marks in total.
- Choice A is correct.** (4.G.1) When a segment is called MN , that means it starts at M and ends at N — those are the two endpoints. Point P is somewhere else entirely.
- Choice B is correct.** (4.MD.5) The diagram shows a 110° angle, meaning it contains **110** one-degree angles.
- Choice B is correct.** (4.G.1) The letter U looks like a cup with two equal curved sides. A vertical line straight down the middle splits it so both sides match perfectly. The answer is Vertically down the middle.
- Choice D is correct.** (4.NBT.1) Break 5,803 apart by place: thousands = $5 \times 1,000 = 5,000$, hundreds = $8 \times 100 = 800$, tens = $0 \times 10 = 0$ (we can drop this), ones = $3 \times 1 = 3$. Adding the non-zero parts gives $5,000 + 800 + 3 = 5,803$, which matches choice **B**. ✓
- Choice C is correct.** (4.G.2) Tick marks on the sides of a figure indicate which sides have equal length. Sides marked with the same number or style of tick marks are equal to each other. The answer is **C**.
- The correct answer is $\frac{42}{100}$.** (4.NF.5) The decimal 0.42 means 42 hundredths, so the fraction is $\frac{42}{100}$.



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Hi, Brave Explorer!

◇ What a trip! You explored 7 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 7 tests, you learned a lot. You are a stronger math explorer now. ★

Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

Explorer tip: on test day, use the tools you packed. You have the skills. You are ready!

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

Jay Daie

Your Math Trail Guide

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.



PERFECT FOR:

- ✓ Classroom Practice
- ✓ 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