

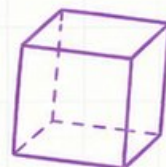
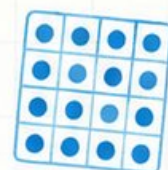
$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$

$$\frac{3}{4}$$



10

$$7 \times 8 = 56$$



Ohio OST GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review
with Mixed Practice
and **Answer Key**



10 Ohio OST Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Buckeye State math route

This book gives you ten 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?

Ten tests, 300 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Ohio 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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& answers

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1) What is $9,876 - 5,432$?

A. 4,344

C. 5,444

B. 4,434

D. 4,444

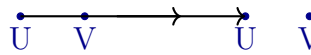
2) Which diagram correctly shows Ray UV ?

A.

B.

C.

D.



A. Diagram A

C. Diagram C

B. Diagram B

D. Diagram D

3) What is $7 \times \frac{1}{3}$ as a fraction?

4) Subtract: $3\frac{4}{5} - 1\frac{2}{5}$

A. $2\frac{1}{5}$

C. $2\frac{3}{5}$

B. $2\frac{2}{5}$

D. $3\frac{2}{5}$

5) Order these fractions from least to greatest: $\frac{1}{6}, \frac{5}{12}, \frac{1}{2}$.

A. $\frac{1}{2}, \frac{5}{12}, \frac{1}{6}$

C. $\frac{5}{12}, \frac{1}{6}, \frac{1}{2}$

B. $\frac{1}{6}, \frac{5}{12}, \frac{1}{2}$

D. $\frac{1}{2}, \frac{1}{6}, \frac{5}{12}$



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6) How many degrees larger is a straight angle than a right angle?

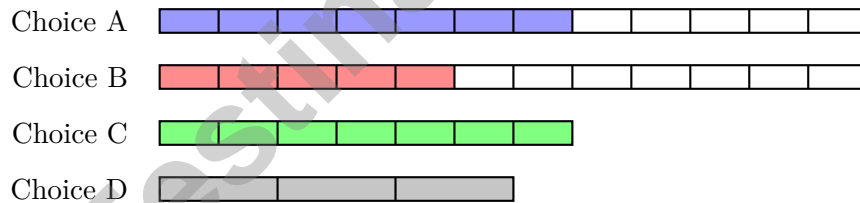
7) Sophia reads for 15 minutes in the morning and 20 minutes in the evening. How many minutes does she read in total each day?

- A. 5 minutes C. 35 minutes
 B. 25 minutes D. 300 minutes

8) What is 72,501 rounded to the nearest thousand?

- A. 72,000 C. 72,500
 B. 70,000 D. 73,000

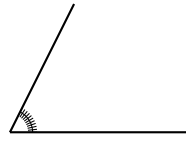
9) Which fraction bar correctly shows $\frac{7}{12}$?



- A. 7 shaded out of 12 C. 7 shaded out of 7
 B. 5 shaded out of 12 D. 3 shaded out of 3



10)



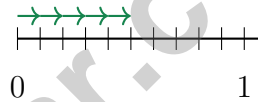
This angle is marked from 0° to 63° . What is the measure?

- A. 63°
 C. 62°
 B. 64°
 D. 126°

11) What is $6 \times \frac{1}{8}$?

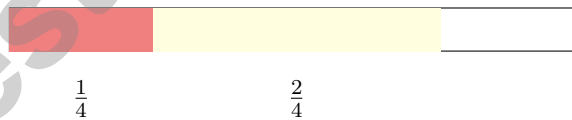
- A. $\frac{1}{48}$
 C. $\frac{6}{8}$ or $\frac{3}{4}$
 B. $\frac{8}{6}$
 D. $\frac{6}{1}$

12) Lia jumped $\frac{1}{10}$ of the way along a line, five times. Where did she land?



- A. $\frac{1}{10}$
 C. $\frac{5}{10}$
 B. $\frac{3}{10}$
 D. $\frac{10}{10}$

13)



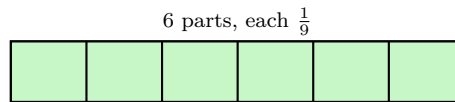
A length of rope is $\frac{1}{4}$ red and $\frac{2}{4}$ yellow. The rest is blue. What fraction is blue?

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

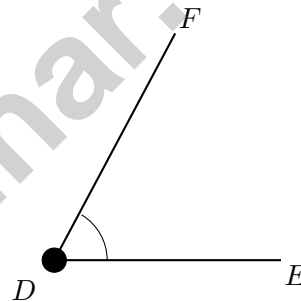


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- 1) A fraction bar has 6 equal parts. If each part is $\frac{1}{9}$, what is the whole bar?



- A. $\frac{6}{9}$ C. $\frac{6}{54}$
 B. $\frac{1}{9}$ D. $\frac{9}{6}$
- 2) An angle contains 65 one-degree angles. Write the measure of the angle.



- 3) Which name correctly identifies the angle with vertex at D ?

- A. $\angle DEF$ C. $\angle EFD$
 B. $\angle FED$ D. $\angle EDF$



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- 4) In a school parking lot, there are 56 parking spots. The school parking lot has 7 times as many spots as the mall parking lot. How many parking spots are in the mall lot?
- A. 63 C. 49
 B. 10 D. 8
- 5) In the number 906,234, which digit is in the hundred-thousands place?
- A. 2 C. 6
 B. 0 D. 9
- 6) A hand sweeps clockwise from 12 to 9 on a clock. How many degrees did it sweep?
- A. 90° C. 270°
 B. 180° D. 360°
- 7) A baker divides 540 cookies equally among 6 friends. How many cookies does each friend receive?
- A. 80 C. 90
 B. 95 D. 85
- 8) Round 27,392 to the nearest ten.
- A. 27,392 C. 27,300
 B. 27,400 D. 27,390
- 9) Noah is training for a race. Each day he jogs $\frac{1}{2}$ mile. If he trains for 4 days, how far does he jog in total?
- A. $\frac{1}{8}$ mile C. 2 miles
 B. $\frac{4}{4}$ miles D. $\frac{1}{2}$ mile



1) What is 19×22 ?

A. 418

C. 392

B. 380

D. 456

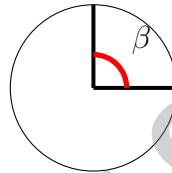
2) Gia has 27 stickers. Her friend gives her 18 more. They share all stickers equally. If they split into 3 groups, how many stickers are in each group?

A. 12

C. 18

B. 13

D. 15



3)

What is the measure of the angle shown?

A. 45°

C. 135°

B. 90°

D. 180°

4) What is $2\frac{1}{3} - 1\frac{2}{3}$? (Hint: You may need to regroup.)

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

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

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

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

5) A shape has the following attributes: four sides, four equal sides, and no right angles. Which shape could it be?

A. Trapezoid

C. Rhombus

B. Rectangle

D. Triangle



6) Simplify $\frac{2}{8}$.

7) Look at the place-value chart below. What is the value of the digit in the tens place?

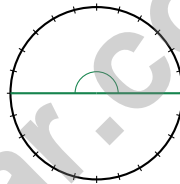
Thousands	Hundreds	Tens	Ones
2	3	7	4

A. 7

C. 700

B. 7,000

D. 70



8)

A straight angle is shown with degree tick marks. How many one-degree angles form a straight angle?

A. 90 one-degree angles

C. 270 one-degree angles

B. 180 one-degree angles

D. 360 one-degree angles

9) A flower bed had $\frac{8}{12}$ of its space planted with roses. $\frac{3}{12}$ of the space was planted with tulips. How much of the flower bed was planted with roses or tulips?

A. $\frac{5}{12}$

C. $\frac{11}{24}$

B. $\frac{11}{12}$

D. $\frac{10}{12}$



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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 D is correct.** (4.NBT.4) Subtract by place value. No regrouping is needed. The answer is **4,444**.
- Choice B is correct.** (4.G.1) The first letter of a ray name is always the starting point. Ray UV begins at U and shoots through V forever. Diagram B shows this with the arrow starting at U .
- The correct answer is $\frac{7}{3}$.** (4.NF.4) When we multiply $7 \times \frac{1}{3}$, we get 7 copies of $\frac{1}{3}$. This is written as the fraction $\frac{7}{3}$.
- Choice B is correct.** (4.NF.3) Subtract the wholes: $3 - 1 = 2$. Subtract the fractions: $\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$. The difference is **$2\frac{2}{5}$** .
- Choice B is correct.** (4.NF.1) Convert to twelfths: $\frac{1}{6} = \frac{2}{12}$, $\frac{5}{12} = \frac{5}{12}$, $\frac{1}{2} = \frac{6}{12}$. Since $2 < 5 < 6$, the order is $\frac{1}{6}$, $\frac{5}{12}$, $\frac{1}{2}$.
- The correct answer is 90.** (4.MD.5) A straight angle is 180° and a right angle is 90° . Since $180 - 90 = 90$, the straight angle is 90° larger.
- Choice C is correct.** (4.MD.2c) Sophia reads 15 minutes in the morning and 20 minutes in the evening. Add: $15 + 20 = 35$ minutes. She reads **35** minutes each day.
- Choice D is correct.** (4.NBT.3) We're rounding to the nearest thousand. Look at the hundreds digit: 5. Since $5 \geq 5$, we round UP! The thousands digit changes from 2 to 3, so the answer is **73,000**. ✓
- Choice A is correct.** (4.NF.3) The fraction bar shows 12 equal parts with 7 shaded, which is $\frac{7}{12}$. This is $\underbrace{\frac{1}{12} + \frac{1}{12} + \dots + \frac{1}{12}}_{7 \text{ unit fractions}}$.
- Choice A is correct.** (4.MD.5) The angle spans from 0° to the 63° mark, measuring **63°** .
- Choice C is correct.** (4.NF.4) We take 6 copies of $\frac{1}{8}$. Multiply: $6 \times \frac{1}{8} = \frac{6 \times 1}{8} = \frac{6}{8} = \frac{3}{4}$. The answer is $\frac{3}{4}$.
- Choice C is correct.** (4.NF.4) Lia jumps five times by $\frac{1}{10}$ each time: $5 \times \frac{1}{10} = \frac{5}{10}$.
- Choice A is correct.** (4.NF.3) The rope is colored with red, yellow, and blue sections shown in the picture. Step 1: Add red and yellow: $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$. Step 2: Blue is the remainder: $\frac{4}{4} - \frac{3}{4} = \frac{1}{4}$.
- The correct answer is 0.8.** (4.NF.5) The first place after the decimal point is the tenths place. The digit 8 sits in the tenths place, which means 8 groups of 0.1. So its value is $8 \times 0.1 = \mathbf{0.8}$ (eight tenths). ✓
- Choice D is correct.** (4.OA.4) Find every pair that multiplies to 30: 1×30 , 2×15 , 3×10 , 5×6 . That's **4** factor pairs. (Notice we skip 4—since $30 \div 4$ has a remainder, 4 isn't a factor.)
- The correct answer is A, D.** (4.NF.3) A: $3 + 4 = 7$ ✓. D: Seven unit tenths: $7 \times \frac{1}{10}$ ✓. Both work!
- Choice B is correct.** (4.NF.4) Five pencils, each $\frac{2}{5}$ decimeter long, give us $5 \times \frac{2}{5} = \frac{10}{5} = 2$ decimeters total.
- Choice D is correct.** (4.MD.1) Since 1 cup = 16 tablespoons, multiply: $3 \times 16 = 48$ tablespoons. The answer is **48** tablespoons.
- Choice A is correct.** (4.MD.6) The vertex is where the two rays meet—this is the pivot point of the angle. To measure accurately, this point must be placed right at the center dot or mark on the protractor. This is how we align everything correctly. The answer is at the center point.
- Choice B is correct.** (4.MD.7) A right angle is 90° . Subtract the known part: $90^\circ - 35^\circ = \mathbf{55^\circ}$.
- Choice C is correct.** (4.NBT.6) Divide: $14 \div 8 = 1$ r6, bring down the 5 to get $65 \div 8 = 8$ r1, bring down the 6 to get $16 \div 8 = 2$. Each animal receives **182** pounds of feed.
- Choice D is correct.** (4.NBT.1) In 2,345, the thousands digit is 2. Each thousands block represents 1,000, so Maya used **2** thousands blocks. ✓
- Choice D is correct.** (4.NBT.5) The standard algorithm breaks the multiplier by place value: $(23 \times 8) + (23 \times 10) = 184 + 230 = \mathbf{414}$.
- Choice C is correct.** (4.OA.4) Start at 3 and apply “add 4” four more times: 3, 7, 11, 15, **19**. The 5th term is **19**.
- Choice B is correct.** (4.MD.5) A quarter turn is $\frac{1}{4}$ of the full circle: $\frac{1}{4} \times 360^\circ = \mathbf{90^\circ}$.
- Choice B is correct.** (4.OA.1) Multiplicative comparisons use the symbol \times (or words like “times as many”). Choices A, C, and D all use \times . Choice B uses $+$, which is an *additive* comparison—not multiplicative.



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Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 10 tests is like 10 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Test Preparation

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Test Confidence

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Measure improvement and focus on areas that matter.



Achieve Success

Build the skills and confidence to reach higher goals.

TOPICS COVERED:

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



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