

3

Ohio OST

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



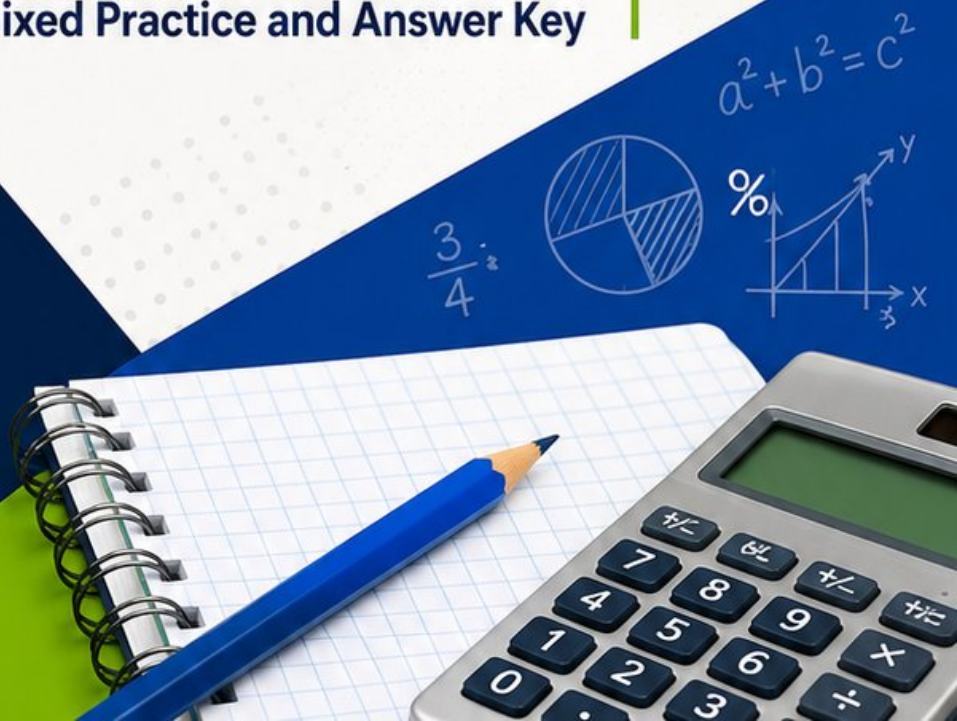
STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED



3 Ohio OST Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Ohio OST strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Ohio Math Explorer!

Three steady rounds on the Buckeye State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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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9) Zara read $3\frac{2}{5}$ pages in the morning and $2\frac{3}{5}$ pages in the afternoon. What is the total number of pages she read?

A. $5\frac{4}{5}$ pages

C. 6 pages

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

D. $6\frac{1}{5}$ pages

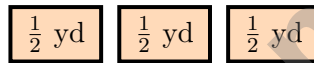
10) A class project uses $\frac{7}{8}$ of a sheet of poster board. A second project uses $\frac{3}{8}$ of a sheet. How much poster board is used for both projects?

A. $\frac{10}{8}$

C. $\frac{4}{16}$

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

D. $\frac{10}{16}$



3 strips, each $\frac{1}{2}$ yard

11)

This shows 3 ribbon strips. Each strip is $\frac{1}{2}$ yard. What is the total length?

A. $\frac{3}{6}$

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

B. $\frac{3}{2}$ yards (or $1\frac{1}{2}$ yards)

D. 3 yards

12) In the number 4,726, what is the value of the digit 7?



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1) A rectangle has a width of 4 inches. The perimeter is 28 inches. What is the length?

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

2) Round 56,841 to the nearest thousand.

- A. 56,000 C. 56,800
 B. 60,000 D. 57,000

3) What is $3\frac{3}{4} - 1\frac{2}{4} - \frac{3}{4}$?

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



4)

This bar shows $\frac{3}{4}$ yard of ribbon shaded. If you take 2 ribbons like this, how many yards of ribbon do you have?

- A. $\frac{6}{4}$ yards (or $1\frac{1}{2}$ yards) C. $\frac{5}{4}$ yards
 B. $\frac{3}{4}$ yard D. $\frac{2}{4}$ yard

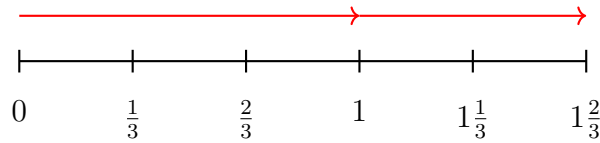
5) A factory packs 144 toys into crates. Each crate holds 12 toys. How many crates are full? If workers find 9 more toys to pack, how many crates total are needed?

- A. 12 full crates, 12 total needed C. 11 full crates, 12 total needed
 B. 144 crates, 13 total D. 12 full crates, 13 total needed



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6) How is $\frac{5}{3}$ decomposed on this number line?



- A. $\frac{2}{3} + \frac{1}{3}$
 C. $\frac{5}{3} + 0$
 B. $\frac{3}{3} + \frac{2}{3}$
 D. $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

7) Which equation matches: “20 is 5 times as many as 4”?

- A. $20 + 4 = 24$
 C. $20 = 5 \times 4$
 B. $20 - 4 = 16$
 D. $20 = 4 \times 4$

8) Two angles together are $\frac{10}{12}$ of a straight angle. One angle is $\frac{4}{12}$ of a straight angle. What is the other angle?



Angle 1: $\frac{4}{12}$

Angle 2: ?
Total = $\frac{10}{12}$

- A. $\frac{6}{12}$
 C. $\frac{4}{12}$
 B. $\frac{14}{12}$
 D. $\frac{6}{24}$

9) In the number 82,345, what digit is in the thousands place?

- A. 8
 C. 3
 B. 4
 D. 2



4) Use these two place-value charts to compare:

	100,000s	10,000s	1,000s	100s	10s	1s
Chart 1	1	2	8	3	7	2
Chart 2	1	2	8	4	2	3

Which is true?

- A. $128,372 > 128,423$
 C. $128,372 = 128,423$
 B. Cannot determine
 D. $128,372 < 128,423$

5)

\$2K	\$4K	\$3K	\$2K	\$1K
Monday	Tuesday	Wednesday	Thursday	Friday

The chart shows a store's rounded daily sales, in thousands of dollars. How much more did they sell Monday through Wednesday than Thursday and Friday combined?

- A. \$6,000
 C. \$10,000
 B. \$8,000
 D. \$7,000
- 6) There are 144 meters of rope to cut into 12 equal pieces. How many meters long is each piece?

7) What is $\frac{4}{10}$ as a decimal?

- A. 0.04
 C. 4.0
 B. 0.4
 D. 0.44



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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 C is correct.** (4.MD.2c) Convert 3 liters to milliliters: $3 \text{ L} = 3,000 \text{ mL}$. Subtract what Maya drinks: $3,000 - 750 = 2,250 \text{ mL}$. There are **2,250** mL left.
- Choice B is correct.** (4.MD.4) At $\frac{1}{2}$ inch there is 1 X mark. At $\frac{3}{2}$ inches there are 3 X marks. The difference is $3 - 1 = 2$.
- Choice C is correct.** (4.NF.4) These count by fourths: $1 \times \frac{1}{4}, 2 \times \frac{1}{4}, 3 \times \frac{1}{4}$. Perfect consecutive multiples!
- Choice A is correct.** (4.NBT.3) We're rounding to the nearest ten. Look at the ones digit: 5. Since $5 \geq 5$, we round UP! The tens digit goes from 0 to 1, giving us **6,010**. ✓
- Choice D is correct.** (4.NBT.2) Comparing left to right: hundred-thousands, ten-thousands, and thousands are the same. Hundreds: $1 > 0$, so $456,100 > 456,099$ ✓
- Choice A is correct.** (4.NF.5) Compare the tenths place: $7 > 5$, so $0.75 > 0.57$. Pitcher A holds more lemonade.
- Choice D is correct.** (4.NF.1) Both bars show the same shaded length. The denominator goes from 3 to 6 (multiply by 2), so the numerator also goes from 1 to 2: $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$.
- The correct answer is 9,690.** (4.NBT.4) Add from right to left: ones $4 + 6 = 10$ (write 0, carry 1), tens $3 + 5 + 1 = 9$, hundreds $2 + 4 = 6$, thousands $6 + 3 = 9$. The sum is **9,690**.
- Choice C is correct.** (4.NF.3) Add the wholes: $3 + 2 = 5$. Add the fractions: $\frac{2}{5} + \frac{3}{5} = \frac{5}{5} = 1$. Combine: $5 + 1 = 6$ pages.
- Choice A is correct.** (4.NF.3) Two class projects use poster board. Add the amounts: $\frac{7}{8} + \frac{3}{8} = \frac{10}{8}$ sheets of poster board used total.
- Choice B is correct.** (4.NF.4) We have 3 ribbon strips that are each $\frac{1}{2}$ yard long. We multiply: $3 \times \frac{1}{2} = \frac{3}{2} = 1\frac{1}{2}$ yards total.
- The correct answer is 700.** (4.NBT.1) In 4,726, the digit 7 is in the hundreds place. Its value is $7 \times 100 = 700$. ✓
- Choice A is correct.** (4.NF.1) Same numerator (2): smaller denominator means bigger pieces. Since $3 < 5$, $\frac{2}{3} > \frac{2}{5}$. Rio's statement is correct!
- Choice A is correct.** (4.G.2) The blue tick marks appear on opposite sides (top and bottom), and the red tick marks appear on the opposite sides (left and right). This pattern indicates that opposite sides are equal in length. The answer is **A**.
- Choice D is correct.** (4.MD.1) Convert $\frac{1}{2}$ L to mL: $\frac{1}{2} \times 1,000 = 500 \text{ mL}$. Add all: $250 + 500 + 200 = 950 \text{ mL}$. The answer is **950** mL.
- The correct answer is B, D.** (4.MD.5) Choice B: A half turn is $\frac{1}{2} \times 360^\circ = 180^\circ$ ✓. Choice D: The minute hand from 12 to 6 is a half turn, also 180° ✓. Choice A: $\frac{1}{4} \times 360^\circ = 90^\circ$. Choice C: $\frac{2}{3} \times 360^\circ = 240^\circ$. Choice E: 12 to 3 is one-quarter, or 90° .
- Choice C is correct.** (4.NF.4) One whole ($\frac{4}{4}$) equals 4 copies of $\frac{1}{4}$. So there are **4** fourths in one whole.
- Choice D is correct.** (4.OA.1) Build it in two steps. Step 1: markers = $5 \times 3 = 15$. Step 2: colored pencils are 2 times the markers, so $15 \times 2 = 30$ colored pencils.
- Choice C is correct.** (4.NBT.6) Divide: $54 \div 6 = 9$, and $0 \div 6 = 0$ gives 90. Tyler gets **90** minutes of recess per week.
- Choice B is correct.** (4.NF.5) 0.5 represents half. The number line goes from 0 to 1, so 0.5 sits exactly in the middle at mark B.
- Choice A is correct.** (4.NF.3) Ming's ribbon started at $\frac{5}{8}$ meter. She cut off $\frac{3}{8}$ meter, leaving $5 - 3 = 2$ eighths: $\frac{2}{8}$ meter.
- Choice B is correct.** (4.MD.5) A right angle always measures **90** degrees.
- Choice C is correct.** (4.G.1) A square is perfectly balanced four ways: two lines pass through the centers of opposite sides (up/down and left/right), and two lines pass through opposite corners (diagonals). The answer is **4** lines of symmetry.
- Choice B is correct.** (4.NF.4) Let's calculate both: $5 \times \frac{1}{3} = \frac{5}{3} = 1\frac{2}{3}$ and $4 \times \frac{1}{2} = \frac{4}{2} = 2 = \frac{6}{3}$. Since $\frac{6}{3} > \frac{5}{3}$, $4 \times \frac{1}{2}$ is larger. The answer is $4 \times \frac{1}{2}$ is larger.
- Choice A is correct.** (4.MD.7) The pizza shows two adjacent sections. Combine them: $37^\circ + 58^\circ = 95^\circ$.



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A Quiet Word From Your Mentor

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 3 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

What I See in You

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

Mentor's note: on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

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

Jay Daie

Your Math Mentor

PRACTICE TODAY. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect for classroom use, homework, test preparation, and extra practice at home.

PERFECT FOR:

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

★ CONFIDENCE TODAY.
SUCCESS TOMORROW!

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.



Prepare for Success

Build the confidence needed to do your best on test day.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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