

4

Ohio OST



GRADE 4

MATH

PRACTICE TESTS


 5 FULL-LENGTH PRACTICE TESTS

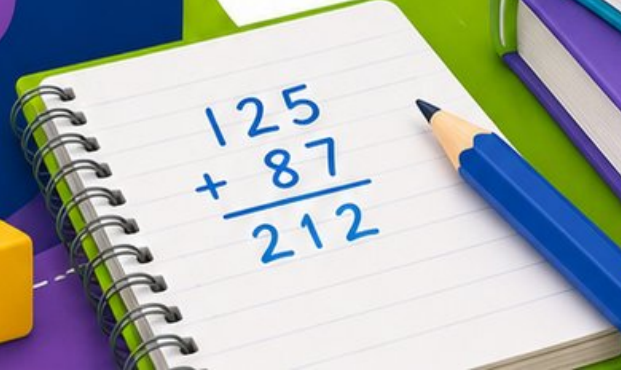
 STANDARDS-ALIGNED REVIEW

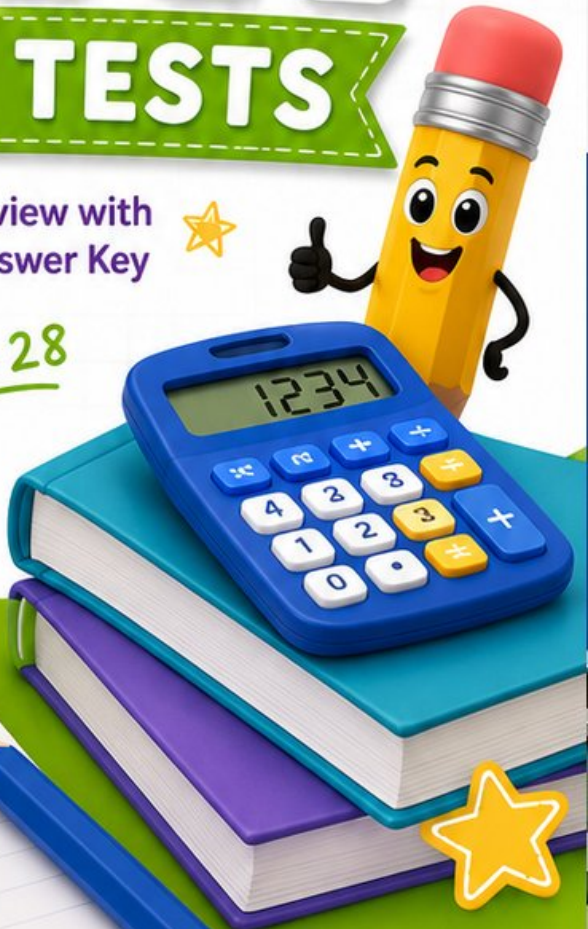
 MIXED PRACTICE QUESTIONS

 ANSWER KEY INCLUDED

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

 $4 \times 7 = 28$
 $36 \div 9 = 4$


$$\begin{array}{r} 125 \\ + 87 \\ \hline 212 \end{array}$$


A smiling cartoon pencil character with arms and legs stands next to a blue calculator displaying '1234'. The calculator sits on a stack of three books (blue, purple, and green). A blue pencil lies on the green book. A yellow star is in the bottom right corner.

4 Ohio OST Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome, Ohio Math Explorer!

Four steady rounds on the Buckeye State math route

This book gives you four 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?

Four tests, 120 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 2–4 | Skill-building rounds with fractions, measurement, area, data, and two-step problems. |
| Tests 2–4 | 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.



Scan me!
For more practice
& answers

Table of Contents

| | | |
|--|-------|----|
| ★ Practice Test 1 | _____ | 15 |
| ★ Practice Test 2 | _____ | 26 |
| ★ Practice Test 3 | _____ | 37 |
| ★ Practice Test 4 | _____ | 48 |
| Practice Test Answer Keys | _____ | 58 |
| Practice Test Answers and Explanations | _____ | 61 |

1) What is $5\frac{3}{10} - 2\frac{7}{10}$?

A. $2\frac{4}{10}$

B. $2\frac{5}{10}$

C. $2\frac{6}{10}$

D. $3\frac{2}{10}$

2) An isosceles triangle (not equilateral) has how many lines of symmetry?

A. 0

B. 1

C. 2

D. 3

3) A ribbon is cut into 2 equal pieces, and 1 piece is painted. Another identical ribbon is cut into 4 equal pieces, and 2 pieces are painted. Are the painted amounts equivalent?

A. Yes, both are $\frac{1}{2}$

B. Yes, both are $\frac{1}{4}$

C. No, the first ribbon has more painted

D. No, the second ribbon has more painted

4) How many factor pairs does 20 have?

A. 2

B. 5

C. 4

D. 3

5) Ava ran 0.3 kilometers and then 0.5 kilometers. How far did she run in total?

A. 0.2 km

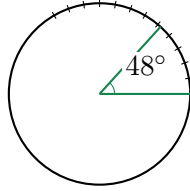
B. 0.8 km

C. 0.35 km

D. 1.0 km



Scan me!
For more practice
& answers



6)

Diego drew an angle that turns through 48 one-degree angles. What is the measure of his angle?

 A. 24°
 C. 96°
 B. 48°
 D. 480°

7) A decreasing pattern starts at 96 and divides by 2 each time. What is the 4th term?

 A. 6

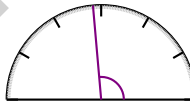
 C. 24

 B. 48

 D. 12
8) Mia jogged $\frac{3}{8}$ of a mile. Then she jogged $\frac{4}{8}$ more. How far did she jog in total?
 A. $\frac{7}{8}$ mile

 C. $1\frac{1}{8}$ miles

 B. $\frac{7}{16}$ mile

 D. $\frac{1}{8}$ mile


9)

Measure the angle shown in degrees.



10) A rotation of $\frac{5}{12}$ of a full turn equals how many degrees?

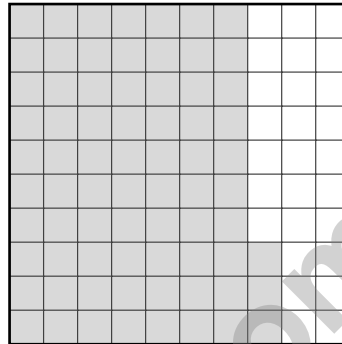
A. 90°

C. 150°

B. 120°

D. 180°

11) Look at the grid below with hundredths shaded.



What decimal is shown?

A. 0.62

C. 0.73

B. 0.72

D. 0.82

12) A school has 48 third-graders. This is 4 times as many as the number of second-graders. How many second-graders are there?

A. 192

C. 44

B. 52

D. 12

13) What is $2,432 \div 8$?

A. 304

C. 324

B. 314

D. 334



Scan me!
For more practice
& answers

6) On a line plot with halves, Ella collected: $\frac{1}{2}$, 1, 1, $\frac{1}{2}$, $\frac{3}{2}$, 1. How many measurements are 1 inch or longer?

A. 2

C. 4

B. 3

D. 5

7) Which decimal is between 0.3 and 0.5?

A. 0.2

C. 0.6

B. 0.4

D. 0.8

8) A bakery sold 56 donuts on Monday. On Tuesday, the bakery sold 7 times as many donuts. How many donuts did the bakery sell on Tuesday?

9) A rectangle is divided into 6 equal parts. 4 parts are colored blue. What fraction is blue, shown as a sum of unit fractions?

A. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

C. $\frac{4}{6} + \frac{2}{6}$

B. $\frac{2}{6} + \frac{2}{6}$

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

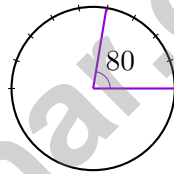


Scan me!
For more practice
& answers

- 1) Ming read 1,234 pages in one month and 2,567 pages the next month. How many pages did she read in both months combined?

- 2) A park has 5 oak trees. This is 5 times as many as the number of maple trees. How many maple trees does the park have?

- A. 25 C. 10
 B. 5 D. 1




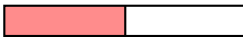


3)

An angle turns through 80 one-degree angles. What is the measure of the angle?

- A. 8° C. 80°
 B. 40° D. 160°

- 4) Which picture shows $\frac{3}{4}$ as a sum of unit fractions?

A 
 B 
 C 
 D 

- A. 3 of 4 parts C. 4 of 4 parts
 B. 2 of 2 parts D. 1 of 2 parts

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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice C is correct.** **(4.NF.3)** Since $\frac{3}{10} < \frac{7}{10}$, regroup: $5\frac{3}{10} = 4\frac{13}{10}$. Subtract: $4\frac{13}{10} - 2\frac{7}{10} = 2\frac{6}{10}$.
- Choice B is correct.** **(4.G.1)** An isosceles triangle has two equal sides that meet at the top, with a different base. A fold line from the top corner to the middle of the base creates two matching halves. The answer is **1** line of symmetry.
- Choice A is correct.** **(4.NF.1)** Ribbon 1: $\frac{1}{2}$ painted. Ribbon 2: $\frac{2}{4}$ painted—simplify to $\frac{2}{4} = \frac{1}{2}$. Same amount painted on both!
- Choice D is correct.** **(4.OA.4)** Find every pair that multiplies to 20: 1×20 , 2×10 , 4×5 . That's **3** factor pairs. *Tip:* go in order (1, 2, 3, ...) and stop when the pair starts to repeat.
- Choice B is correct.** **(4.NF.5)** Add the two decimals: $0.3 + 0.5 = 0.8$ kilometers.
- Choice B is correct.** **(4.MD.5)** When an angle turns through 48 one-degree angles, its measure is **48°**.
- Choice D is correct.** **(4.OA.4)** Divide by 2 each time: $96 \rightarrow 48 \rightarrow 24 \rightarrow 12$. The 4th term is **12**.
- Choice A is correct.** **(4.NF.3)** Mia jogged two sections: $\frac{3}{8}$ and then $\frac{4}{8}$ more. Combining same-size eighths: $3 + 4 = 7$, so $\frac{7}{8}$ mile.
- The correct answer is 95.** **(4.MD.6)** Place the protractor's center at the vertex. Align the baseline ray with 0° . The second ray points to the 95° mark. Since $95^\circ > 90^\circ$ but $95^\circ < 180^\circ$, this is an obtuse angle. The answer is **95** degrees.
- Choice C is correct.** **(4.MD.5)** Multiply the fraction by 360: $\frac{5}{12} \times 360^\circ = 5 \times 30^\circ = 150^\circ$.
- Choice C is correct.** **(4.NF.5)** Count the shaded squares: 7 full columns (that's 70 squares) plus 3 extra squares make 73 squares total. So the decimal is 73 hundredths = 0.73.
- Choice D is correct.** **(4.OA.1)** We know the bigger group (48) and the comparison (4 times). To find the smaller group, divide: $48 \div 4 = 12$ second-graders.
- Choice A is correct.** **(4.NBT.6)** Long division: $2 \div 8 = 0$ r2, bring down the 4 to get $24 \div 8 = 3$, bring down the 3 to get $3 \div 8 = 0$ r3, bring down the 2 to get $32 \div 8 = 4$. The answer is **304**.
- The correct answer is A, C.** **(4.OA.3)** Two steps lead to two true statements! Step 1: $240 \div 5 = 48$ pencils per grade—that matches choice A. Step 2: $48 - 15 = 33$ left after practice—that matches choice C. Choice B (50) and D (35) come from wrong arithmetic, and E confuses “240 distributed” with “300 total.”
- Choice B is correct.** **(4.MD.1)** Since 1 kilogram = 1,000 grams, multiply: $5 \times 1,000 = 5,000$ g. The answer is **5,000** g.
- Choice D is correct.** **(4.NBT.3)** For 6,500: hundreds digit is $5 \geq 5$, round UP to 7,000 ✓. For 7,450: hundreds digit is $4 < 5$, round DOWN to 7,000 ✓. Both reach 7,000!
- Choice D is correct.** **(4.NBT.5)** Split both: $17 = 10 + 7$ and $19 = 10 + 9$. The four partial products are: $10 \times 10 = 100$, $10 \times 9 = 90$, $7 \times 10 = 70$, $7 \times 9 = 63$.
- Choice B is correct.** **(4.NF.4)** Each piece is $\frac{1}{8}$ meter long. With 5 pieces, the total length is $5 \times \frac{1}{8} = \frac{5}{8}$ meter.
- The correct answer is $\frac{6}{5}$.** **(4.NF.4)** Multiply the amount by 3: Making 3 batches, each using $\frac{2}{5}$ cup of flour, means we multiply: $3 \times \frac{2}{5} = \frac{6}{5}$ cups.
- Choice D is correct.** **(4.OA.2)** Two steps! Step 1: Grandma gave Lily $4 \times 3 = 12$ more sheets. Step 2: Add what Lily already had: $3 + 12 = 15$ sheets in all.
- Choice B is correct.** **(4.G.1)** The corner where two edges of a table meet is a perfect right angle — exactly 90° ! Look at a corner of your desk to see a real-world right angle.
- Choice B is correct.** **(4.G.2)** A triangle with three equal sides is called an equilateral triangle. The three equal angles in an equilateral triangle each measure 60 degrees, making them all acute. The answer is **B**.
- Choice D is correct.** **(4.MD.4)** The lowest value on the line plot is 0 inch and the highest is 1 inch. The range is $1 - 0 = 1$ inch.
- Choice A is correct.** **(4.NF.3)** Noah walked before and after lunch. Step 1: Add the distances: $\frac{5}{6} + \frac{4}{6} = \frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$ miles, which is more than one mile. Step 2: Find how much more: $1\frac{3}{6} - 1 = \frac{3}{6} = \frac{1}{2}$ mile more than one mile.
- Choice C is correct.** **(4.NF.4)** We take 3 copies of $\frac{1}{4}$. Multiply the whole number by the numerator: $3 \times \frac{1}{4} = \frac{3 \times 1}{4} = \frac{3}{4}$. The answer is $\frac{3}{4}$.
- Choice A is correct.** **(4.NF.3)** $\frac{7}{8}$ means “seven eighths,” so we need seven $\frac{1}{8}$ pieces: $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} \checkmark$.



Scan me!
For more practice
& answers

Lab Notes for a Young Scientist

Hi, Curious Scientist!

◇ 4 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

PRACTICE TODAY, SUCCEED TOMORROW!

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

With 4 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.



Track Progress

Measure growth across multiple practice tests.



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
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



Visit testinar.com/math4

for additional Grade 4 math resources and practice materials.

MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.



4 FULL-LENGTH PRACTICE TESTS



STANDARDS-ALIGNED REVIEW



MIXED PRACTICE QUESTIONS