

# 9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

# Maine Through Year Assessment

## GRADE 4

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**9 FULL-LENGTH  
PRACTICE TESTS**



**STANDARDS-ALIGNED  
REVIEW**



**MIXED PRACTICE  
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY  
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



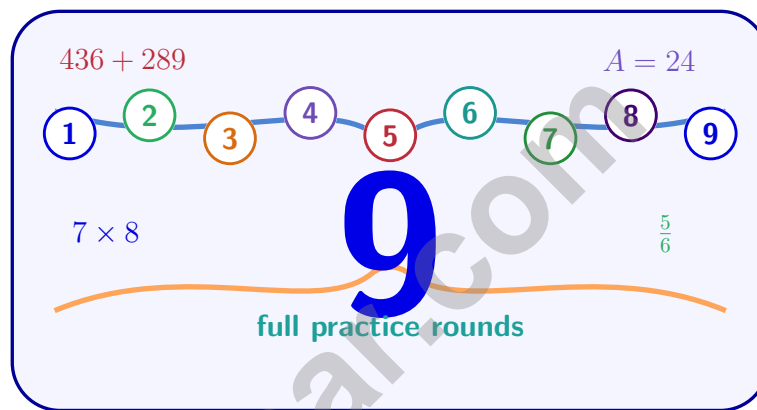
$$725 - 358 = 367$$

PREPARE  
**PRACTICE**  
SUCCEED  
PERFORM

**PRACTICE TODAY.  
SUCCEED TOMORROW.**

# 9 Maine Through Year Assessment Grade 4 Math Practice Tests

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



Nine complete 30-question Grade 4 practice rounds for Through Year Assessment, built around pine forests, lighthouse beams, and patient checking, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Maine Math Explorer!

Nine steady rounds on the Pine Tree State math route

This book gives you nine full Grade 4 practice tests for Through Year Assessment. Each round uses pine forests, lighthouse beams, and patient checking to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Maine 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 Maine Through Year Assessment 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 Pine Tree 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?

Nine tests, 270 questions, and a full Through Year Assessment 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.
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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For more practice  
& answers

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8) A recipe calls for  $\frac{1}{4}$  cup of sugar. If Miguel triples the recipe, how much sugar does he need?

A.  $\frac{1}{12}$  cup

B.  $\frac{1}{3}$  cup

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

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

9) 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

10) Lily had 3 sticker sheets. Her grandmother gave her 4 times as many sticker sheets as Lily already had. How many sticker sheets does Lily have in all?

A. 7

B. 12

C. 16

D. 15

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

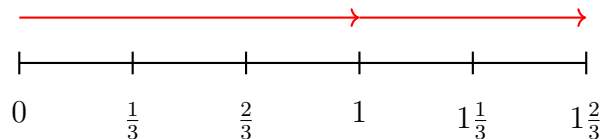
A.  $2\frac{2}{4}$

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

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

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

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



A.  $\frac{2}{3} + \frac{1}{3}$

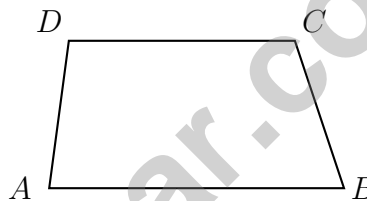
B.  $\frac{3}{3} + \frac{2}{3}$

C.  $\frac{5}{3} + 0$

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



- 1) Which numeral represents “four hundred twenty-three thousand, fifty-one”?
- A. 423,501                       C. 42,351  
 B. 423,510                       D. 423,051
- 2) A garden path is  $\frac{10}{12}$  meter long. After rain,  $\frac{4}{12}$  meter washed away. How much remains?
- A.  $\frac{14}{12}$  meters                       C.  $\frac{6}{24}$  meter  
 B.  $\frac{6}{12}$  meter                       D.  $\frac{4}{12}$  meter
- 3) This trapezoid has different leg lengths. How many lines of symmetry does it have?



- A. 0 lines                       C. 2 lines  
 B. 1 line                       D. 4 lines
- 4) What is  $6,001 - 2,345$ ?
- A. 3,656                       C. 4,656  
 B. 3,756                       D. 3,556
- 5) In the number 3,817, the digit 8 represents which of these?
- A. 8 ones                       C. 8 hundreds  
 B. 8 tens                       D. 8 thousands



6) Ethan has 5 toy soldiers. Owen has 7 times as many. How many more soldiers does Owen have?

A. 12

B. 35

C. 25

D. 30

7) Which number is divisible by 3?

A. 25

B. 34

C. 48

D. 55

8) Ava has 5 necklaces. Each necklace has  $\frac{2}{3}$  meter of beads. How many meters of beads does Ava have in total?

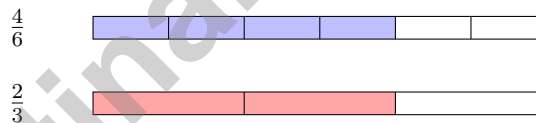
A.  $\frac{2}{15}$  meter

B.  $\frac{5}{3}$  meters

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

D.  $\frac{2}{8}$  meter

9) Two fraction bars are shown below. Which statement is correct?



A.  $\frac{4}{6} < \frac{2}{3}$

B.  $\frac{4}{6} > \frac{2}{3}$

C.  $\frac{4}{6} = \frac{2}{3}$

D. Cannot determine

10) What is  $29 \times 12$ ?

A. 406

B. 522

C. 464

D. 348



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1) Maya measured her pencil and found it is 15 centimeters long. How many millimeters is this?

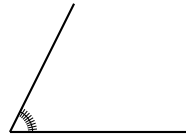
A. 1.5

B. 15

C. 150

D. 1,500

2)



This angle is marked from  $0^\circ$  to  $63^\circ$ . What is the measure?

A.  $63^\circ$

B.  $64^\circ$

C.  $62^\circ$

D.  $126^\circ$

3) Find  $3\frac{2}{4} + 1\frac{3}{4}$ .

4) A number is written as 6 thousands, 7 hundreds, 3 tens, and 1 one. What is the value of the hundreds?

A. 7

B. 70

C. 700

D. 7,000



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5) Jackson hikes 4 miles. His dad hikes 9 times as many miles. How many miles does his dad hike?

A. 4

B. 5

C. 9

D. 36

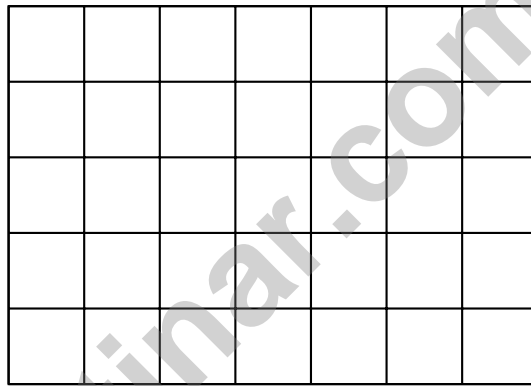
6) Noah walked  $\frac{5}{6}$  mile before lunch and  $\frac{4}{6}$  mile after lunch. Did he walk more than one mile? How much more or less?

A. Yes,  $\frac{1}{2}$  mile more

B. No,  $\frac{1}{6}$  less

C. Exactly one mile

D. No,  $\frac{1}{6}$  more than one



7)

The grid shows a rectangle where each small square is 1 square unit. What is the perimeter of the rectangle?

A. 35 units

B. 48 units

C. 24 units

D. 12 units



## 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

- The correct answer is 9.** (4.NBT.A.1) Count from the right: ones, tens, hundreds, thousands. The tens place is the second digit from the right, which is **9**. ✓
- The correct answer is 8.** (4.NBT.A.2) Counting from the right in 130,800: ones, tens, hundreds. The hundreds digit is **8**. ✓
- Choice B is correct.** (4.MD.B.4) At  $\frac{1}{4}$  inch there is 1 X mark. A value with 2 more X marks would have 3 marks total.  $\frac{5}{4}$  inch has exactly 3 X marks.
- Choice D is correct.** (4.OA.B.4) Apply the rule “multiply by 2 then add 1” to input 4:  $(2 \times 4) + 1 = 8 + 1 = 9$ .
- Choice B is correct.** (4.MD.C.7) The diagram shows a straight angle divided into three parts. Add the two known ones:  $48^\circ + 62^\circ = 110^\circ$ . Then subtract:  $180^\circ - 110^\circ = 70^\circ$ .
- Choice B is correct.** (4.MD.C.5) The diagram shows a  $110^\circ$  angle, meaning it contains **110** one-degree angles.
- Choice A is correct.** (4.NF.B.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 C is correct.** (4.NF.B.4) Tripling means we multiply by 3. Since each part is  $\frac{1}{4}$  cup, we get  $3 \times \frac{1}{4} = \frac{3}{4}$  cup.
- Choice A is correct.** (4.NF.C.5) From the table: 5 tenths = 0.5 and 8 hundredths = 0.08. Add:  $0.5 + 0.08 = 0.58$ .
- Choice D is correct.** (4.OA.A.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 C is correct.** (4.NF.B.3) Subtract the wholes:  $8 - 5 = 3$ . Subtract the fractions:  $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$ . The difference is  **$3\frac{2}{4}$** .
- Choice B is correct.** (4.NF.B.3) Red arrow jumps to 1 whole ( $\frac{3}{3}$ ), then the red dot continues  $\frac{2}{3}$  more. Total:  $\frac{3}{3} + \frac{2}{3} = \frac{5}{3}$ . ✓
- Choice A is correct.** (4.MD.A.2) There are 240 ounces of rice to divide equally into 4 bins. Divide:  $240 \div 4 = 60$  ounces. Each bin gets **60** ounces.
- Choice C is correct.** (4.G.A.1) A ray is like a beam of light from a flashlight — it starts at one point and shines forever in one direction only. A line keeps going both ways, a segment stops at both ends, and a point is just one spot with no size at all.
- Choice D is correct.** (4.OA.A.3)  $47 \div 6 = 7$  remainder 5. Seven cabins fit 42 campers, but 5 campers still need a place to sleep—so we round *up*:  $7 + 1 = 8$  cabins.
- Choice D is correct.** (4.MD.A.1) Since 1 mile = 1,760 yards, divide:  $8,800 \div 1,760 = 5$  miles. The answer is **5** miles.
- Choice C is correct.** (4.MD.A.3) Area = length  $\times$  width =  $10 \times 3 = 30$  sq in.
- The correct answer is A, C.** (4.NF.B.3) Let’s check each choice. Choice A:  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6}$  (correct!). Choice C: “Four unit fractions” also describes this sum (correct!). Choices B, D, E: Wrong denominators or wrong totals.
- Choice A is correct.** (4.NF.B.3) The chocolate bar is shared, but some is left over. Step 1: Add what was eaten:  $\frac{5}{10} + \frac{3}{10} = \frac{8}{10}$ . Step 2: Subtract from the whole:  $\frac{10}{10} - \frac{8}{10} = \frac{2}{10}$  left uneaten.
- Choice A is correct.** (4.NF.A.1) Max ate  $\frac{2}{6}$  of his pizza. Cole ate  $\frac{1}{3}$  of his pizza. Simplify:  $\frac{2}{6} = \frac{2 \div 2}{6 \div 2} = \frac{1}{3}$ . They ate the same amount!
- The correct answer is 864.** (4.NBT.B.6) Use long division:  $3 \div 4 = 0$  r3, bring down the 4 to get  $34 \div 4 = 8$  r2, bring down the 5 to get  $25 \div 4 = 6$  r1, bring down the 6 to get  $16 \div 4 = 4$ . Each friend reads **864** pages.
- Choice D is correct.** (4.G.A.2) Right angle markers at all four corners show that this figure has four right angles. A quadrilateral with four right angles is a rectangle. The answer is **D**.
- Choice A is correct.** (4.NBT.B.4) Add by place value: ones  $5 + 4 = 9$ , tens  $8 + 1 = 9$ , hundreds  $2 + 5 = 7$ , thousands  $7 + 1 = 8$ . The sum is **8,799**.
- Choice D is correct.** (4.NBT.A.3) We’re rounding to the nearest ten. Look at the ones digit: 7. Since  $7 \geq 5$ , we round UP! The tens digit goes from 0 to 1, giving us **4,610**. ✓
- Choice A is correct.** (4.G.A.3) The letter *D* has a straight line on the left and a curved bulge on the right. A horizontal line across the middle balances the top curve with the bottom curve. The answer is It has 1 line of symmetry.



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## Hi, Math Athlete!

◇ 9 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

### Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

**Trainer tip:** on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Trainer

# PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

## PERFECT FOR:

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- ✓ Homework & Review
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- ✓ Test Preparation
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★ **CONFIDENCE IN MATH.  
SUCCESS FOR LIFE.**

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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.

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
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