

9

Maine

Through Year Assessment

GRADE 3 MATH

PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE, WORD PROBLEMS, AND ANSWER KEY



10

FOR THE COMPREHENSIVE ASSESSMENT PROGRAM

9 Maine Through Year Assessment Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 3 practice rounds with operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Maine, Start Your Nine-Round Math Mission

A clever Grade 3 run from first try to confident finish

This book gives you nine chances to practice like a thoughtful Maine Through Year Assessment test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly.

Maine has rocky coastlines, pine woods, lighthouse beams, harbor charts, and quiet study spaces, where careful steps matter. Strong math follows that same idea: notice what the question asks, choose a useful tool, show the work, and solve before moving on.

Your Maine Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

Nine rounds is not about rushing. It is about building a math habit that stays strong.

How to Use This Book

A nine-session routine for clear Maine review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

Good rhythm: Test one day, review the next day, then take the next test when your corrections feel clear. In Maine, that steady routine turns nine tests into one organized prep plan.



What Is Inside the Nine Tests?

Mixed Grade 3 practice with Through Year Assessment support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A Maine standards reference and standard-code boxes in explanations

Why mixed practice helps: Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.



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& answers

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1) A picture graph shows apples collected. Red apples: 6 icons (scale: 2 apples per icon). Green apples: 4 icons (scale: 2 apples per icon). How many more red apples than green apples?

 A. 2 C. 6 B. 4 D. 12

2) Noah has a watering can that holds 3 liters. He pours out 1500 mL to water the plants. How many milliliters of water are left in the can?

 A. 1000 mL C. 2000 mL B. 1500 mL D. 3000 mL

3) Write a fraction equivalent to $\frac{3}{6}$.

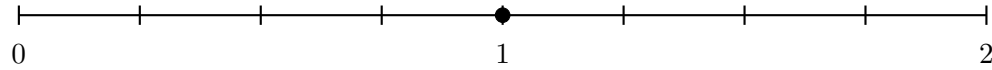
4) Sam solved this problem: $\square \times 8 = 56$. He wrote the answer $\square = 7$. Is his answer correct?

 A. Yes, because $7 \times 8 = 56$. C. No, the correct answer is 8. B. No, the correct answer is 6. D. No, the correct answer is 9.

5) Which tiling correctly shows $9 \times (2 + 5)$?

 A. Two rectangles stacked with dimensions 9×2 and 9×5 C. One rectangle 9×7 B. Two rectangles side by side with dimensions 2×5 and 9×5 D. A rectangle split with one part being 9×5 

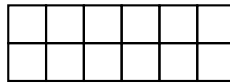
- 6) On a number line from 0 to 2 divided into 8 equal parts, the mark at the fourth tick represents which distance from 0?



- A. $\frac{1}{8}$ C. $\frac{3}{8}$
 B. $\frac{2}{8}$ D. 1
- 7) Mia has $\frac{4}{2}$ apples. How many whole apples does she have?
- A. 2 C. 1
 B. 4 D. $\frac{1}{2}$
- 8) Mr. Kim buys 6 cases of juice with 9 bottles in each case. He donates 15 bottles to the school. How many bottles does he have left?

- A. 24 C. 48
 B. 39 D. 54

- 9) Look at this rectangular grid:



How many unit squares are in this shape?

- A. 8 unit squares C. 12 unit squares
 B. 10 unit squares D. 14 unit squares



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1) Ben has 127 stickers. He gets 234 more stickers. How many stickers does Ben have now?

A. 351

C. 370

B. 341

D. 361

2) Ben has 72 marbles. He puts them into bags with 8 marbles in each bag. Which division equation can be used to find how many bags he fills?

A. $72 \div 8 = \square$

C. $72 - 8 = \square$

B. $8 \times \square = 72$

D. $72 + 8 = \square$

3) A number line from 0 to 1 is divided into 5 equal parts. Which shows the unit fraction?



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

C. $\frac{1}{6}$

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

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

4) A picture graph shows cookies eaten. Each star is 4 cookies. Zoe ate 6 stars and Jake ate 4 stars. How many fewer cookies did Jake eat?

A. 2

C. 12

B. 8

D. 24

5) A rectangle has 5 rows of unit squares and 2 columns of unit squares. What is the area?

A. 7

C. 14

B. 10

D. 52



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1) Round 95 to the nearest 10. (Hint: This is a rollover case where the tens digit becomes 0.)

A. 90

C. 100

B. 95

D. 110

2) A circle is divided into 6 equal parts. What fraction is one part?

3) A toy store has 75 action figures. They donate 15 to a daycare. The remaining figures are packed equally into 12 boxes. How many figures are in each box?

A. 5

C. 7

B. 6

D. 60

4)

Water Bottle	Amount
Monday	2 L
Tuesday	1500 mL
Wednesday	2500 mL

On which day did Lily drink the most water?

A. Monday

C. Wednesday

B. Tuesday

D. All equal



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5) Sam divides a number line from 0 to 2 into fourths. He marks the 6th tick. What fraction and mixed number does this represent?

A. $\frac{6}{4}$, or $1\frac{1}{2}$

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

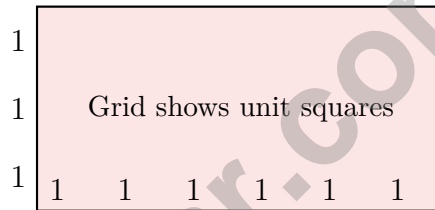
C. $\frac{3}{4}$, or $\frac{6}{8}$

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

6) A square is covered by 6 rows of 6 unit squares. What is its area?



7)



The rectangle above shows 6 unit squares across and 3 unit squares down. Which multiplication statement represents this rectangle's area?

A. $6 + 3 = 9$

B. $6 \times 3 = 18$

C. $3 + 3 + 3 + 3 + 3 + 3 = 18$

D. $9 \times 2 = 18$

8) Which equation is false?

A. $7 \times (2 + 8) = 7 \times 2 + 7 \times 8$

B. $9 \times (3 + 4) = 9 \times 3 + 9 \times 4$

C. $5 \times (6 + 1) = 5 \times 6 + 5 \times 1$

D. $6 \times (5 + 2) = 6 \times 5 - 6 \times 2$



Practice Test Answer Keys

How to use this section with a Grade 3 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.** **(3.MD.B.3)** Red: $6 \times 2 = 12$. Green: $4 \times 2 = 8$. Difference: $12 - 8 = 4$.
- Choice B is correct.** **(3.MD.A.2)** $3 \text{ L} = 3000 \text{ mL}$. Subtract: $3000 - 1500 = 1500 \text{ mL}$.
- The correct answer is $\frac{1}{2}$.** **(3.NF.A.3a)** $\frac{3}{6} = \frac{1}{2}$.
- Choice A is correct.** **(3.OA.A.4)** We can check: $7 \times 8 = 56$. Sam is correct.
- Choice A is correct.** **(3.MD.C.7c)** Both rectangles share the dimension 9. When stacked or side by side, they show $9 \times (2 + 5) = 9 \times 7 = 63$.
- Choice D is correct.** **(3.NF.A.2)** On a number line from 0 to 2, there are 8 equal parts. The fourth tick mark is at the midpoint, which is 1.
- Choice A is correct.** **(3.NF.A.3c)** $\frac{4}{2}$ means 4 halves. 2 halves make 1 whole, so $4 \div 2 = 2$ wholes.
- Choice B is correct.** **(3.OA.D.8)** Step 1: Find total bottles: $6 \times 9 = 54$ bottles. Step 2: Subtract: $54 - 15 = 39$ bottles left. (Choice D is step 1 only; choice C is incorrect.)
- Choice C is correct.** **(3.MD.C.5b)** 6 wide and 2 tall: $6 \times 2 = 12$ unit squares.
- Choice B is correct.** **(3.NF.A.3d)** Same numerator: thirds have bigger pieces than sixths. One third is greater than one sixth.
- Choice B is correct.** **(3.MD.C.7d)** Top rectangle: $6 \times 4 = 24$ sq units. Bottom rectangle: $5 \times 3 = 15$ sq units. Total: $24 + 15 = 39$ sq units.
- Choice D is correct.** **(3.MD.C.6)** Area = $6 \times 8 = 48$ square meters.
- Choice D is correct.** **(3.G.A.1)** A parallelogram has two pairs of opposite sides that are both parallel and equal in length. Rectangles and rhombuses are special parallelograms.
- The correct answer is $\frac{3}{4}$.** **(3.G.A.2)** Three shaded parts out of 4 equal parts is $\frac{3}{4}$.
- Choice D is correct.** **(3.OA.B.6)** In a fact family, $45 \div 5 = 9$ and $45 \div 9 = 5$. Division reverses multiplication.
- Choice C is correct.** **(3.NBT.A.3)** 6 packages of 20 blocks = $6 \times 20 = 120$ blocks. Multiply $6 \times 2 = 12$, then add one zero.
- Choices B and D are correct.** **(3.OA.A.3)** B uses division to find how many boxes are needed, and D uses division to share pencils equally. A, C, and E require multiplication.
- Choice A is correct.** **(3.MD.C.5a)** The rectangle is 4 by 2, so it has 8 unit squares total. A vertical line through the middle divides it into two 2-by-2 sections of 4 each.
- Choice C is correct.** **(3.NF.A.2b)** $\frac{4}{6}$ means count 4 copies of unit $\frac{1}{6}$ starting at 0. The 4th tick mark is $\frac{4}{6}$.
- Choice D is correct.** **(3.OA.D.9)** Multiplying any number by 2 gives an even result, because $2 \times n$ means n groups of 2, and 2 is even. This pattern always holds: even \times any number = even.
- Choice D is correct.** **(3.OA.C.7)** 2×7 means 2 groups of 7, which is $7 + 7 = 14$.
- Choice A is correct.** **(3.NF.A.2a)** The first of four equal parts is $\frac{1}{4}$.
- Choice A is correct.** **(3.MD.A.1)** From 10 : 25 to 11 : 25 is 60 minutes. The game ends at 11 : 20, which is 5 minutes earlier: $60 - 5 = 55$ minutes. Distractor C (off-by-10), distractor B (confusion with minutes only).
- The correct answer is 81 square meters.** **(3.MD.C.5)** For a square, multiply side by side: $9 \times 9 = 81$ square meters.
- Choice B is correct.** **(3.NF.A.3b)** The denominator was multiplied by 2 (from 2 to 4). Multiply the numerator by 2: $1 \times 2 = 2$. So $\frac{1}{2} = \frac{2}{4}$.
- Choice B is correct.** **(3.NF.A.1)** The rectangle has 3 equal parts, and 1 part is shaded. The unit fraction is $\frac{1}{3}$ (one-third).
- Choice D is correct.** **(3.OA.A.1)** 5 pots with 6 flowers each means 5 groups of 6. So $5 \times 6 = 30$ flowers.
- Choice D is correct.** **(3.OA.A.2)** $35 \div 7 = 5$. The blocks are divided equally among the friends.
- Choice A is correct.** **(3.NF.A.3)** The bars show the same shaded amount. $\frac{2}{8}$ and $\frac{1}{4}$ are equivalent.
- Choice C is correct.** **(3.MD.C.7b)** Area = length \times width = $7 \times 4 = 28$ square inches.



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★

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- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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

Jay Daie

Your Math Coach

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