

4

Maryland MCAP



GRADE 4

MATH

PRACTICE TESTS



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

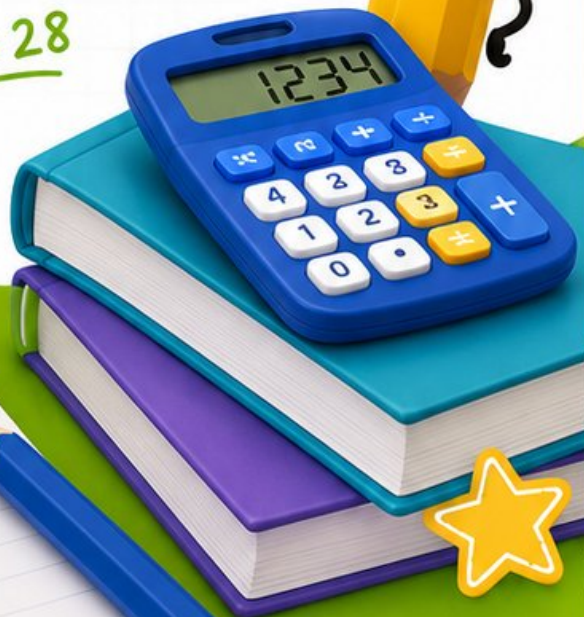


Standards-Aligned Review with
Mixed Practice and Answer Key



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$



4 Maryland MCAP 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.

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Welcome, Maryland Math Explorer!

Four steady rounds on the Old Line State math route

This book gives you four full Grade 4 practice tests for MCAP. Each round uses bay bridges, crab boats, and confident mixed practice to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Maryland 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 Maryland MCAP 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 Old Line 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 MCAP 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.



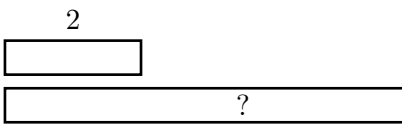
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1) What does a point represent in geometry?

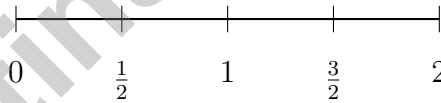
- A. An exact location with no size or shape
 B. A small circle on a diagram
 C. The corner of a shape
 D. The space between two lines

2) 

Elena has 2 books. Her friend has 3 times as many books. How many books does her friend have?

- A. 5
 B. 12
 C. 8
 D. 6

3) Maya drew a number line with hops of $\frac{1}{2}$. How many hops to go from 0 to $\frac{3}{2}$?



- A. 1 hop
 B. 2 hops
 C. 3 hops
 D. 4 hops

4) A store has 100 apples. They receive 35 more apples. Then they sell 42 apples. How many apples are left?

- A. 65
 B. 77
 C. 135
 D. 93



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5) Which description names a figure that would be symmetric about the described line?

- A. A right triangle with the line parallel to the hypotenuse
 C. A scalene triangle with the line through the center
 B. An isosceles triangle with the line through the vertex angle
 D. A right triangle with legs of different lengths

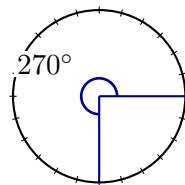
6) What is $\frac{1}{4} + \frac{3}{4}$?

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

7) What is $2,520 \div 7$?

- A. 360
 C. 350
 B. 370
 D. 340

8) Write 0.7 as an equivalent decimal in hundredths.



9)

This is a reflex angle measuring 270 degrees. How many one-degree angles make it?

- A. 135 one-degree angles
 C. 540 one-degree angles
 B. 270 one-degree angles
 D. 27 one-degree angles



10) The minute hand moves from 12 to 4. How many degrees has it rotated?

- A. 90° C. 180°
 B. 120° D. 240°

11) Calculate $4 \times \frac{2}{3}$ as a mixed number.

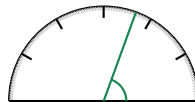
12) What is $7\frac{4}{10} - 2\frac{5}{10}$?

- A. $4\frac{8}{10}$ C. $5\frac{1}{10}$
 B. $4\frac{9}{10}$ D. $5\frac{9}{10}$

13) Noah buys 3 bottles of water, each containing 500 milliliters. How many milliliters of water does he buy in total?

- A. 500 mL C. 1,500 mL
 B. 1,000 mL D. 2,000 mL

14)



What is the measure of the angle shown, rounded to the nearest 10 degrees?

- A. 70 degrees C. 80 degrees
 B. 60 degrees D. 90 degrees



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- 1) Multiply 7×314 using the standard algorithm or partial products.

- 2) Jada has 3 stickers. Her brother has 5 times as many stickers. How many stickers does her brother have?

- A. 8 C. 18
 B. 35 D. 15

- 3) The sides of an angle are:

- A. segments C. rays
 B. lines D. circles

- 4) Complete the table using the rule “multiply by 2 then add 1”:

Input	1	2	3	4
Output	3	5	7	?

- A. 8 C. 11
 B. 13 D. 9

- 5) Convert $\frac{1}{10}$ to a fraction with denominator 100.

- A. $\frac{1}{100}$ C. $\frac{10}{100}$
 B. $\frac{11}{100}$ D. $\frac{100}{100}$



6) Look at the place-value table below.

Tenths	Hundredths	Decimal
6	0	0.60
6	2	?

What decimal has 6 tenths and 2 hundredths?

- A. 0.26 C. 0.206
 B. 0.62 D. 6.02
- 7) A store has 200 books. They receive 35 more books. Then they sell 78 books. How many books do they have left?

- 8) Amir needs 45 grams of butter for a recipe. He has 60 grams. How much extra butter does he have?
- A. 15 grams C. 60 grams
 B. 45 grams D. 105 grams
- 9) What is $8,432 - 3,657$?
- A. 4,225 C. 5,225
 B. 5,775 D. 4,775



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1) What does $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ equal?

- A. $\frac{9}{9}$
 B. $\frac{9}{12}$

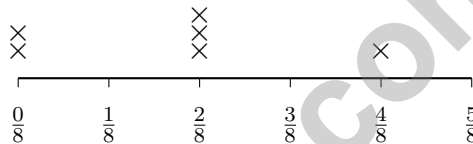
- C. $\frac{1}{9}$
 D. $\frac{3}{12}$

2) How many times does 7 go into 2,849?

- A. 407
 B. 410

- C. 413
 D. 417

3) Look at this line plot with eighths:



How many total data points does this line plot show?

- A. 4
 B. 5

- C. 6
 D. 7

4) By what number do you multiply both the numerator and denominator of $\frac{3}{5}$ to get $\frac{12}{20}$?

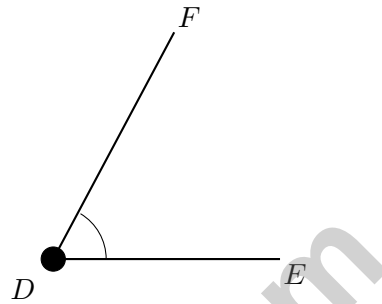
- A. 2
 B. 3

- C. 4
 D. 5



5) Two parallel lines are best described as:

- A. Lines that meet at a right angle
- B. Lines that never meet and are always the same distance apart
- C. Lines that meet at any angle
- D. Lines that share a common endpoint



6)

Which name correctly identifies the angle with vertex at D ?

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

7) An angle is split into two smaller angles. One measures 30° and the other measures 45° . What is the measure of the whole angle?

- A. 15°
- B. 65°
- C. 75°
- D. 90°

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

8)

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
- B. \$8,000
- C. \$10,000
- D. \$7,000



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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

- 1) **Choice A is correct.** **(4.G.A.1)** A point is simply a precise spot in space — like marking a location on a map with a pin. It has no length, width, or height; we just draw it as a tiny dot to show where it is.
- 2) **Choice D is correct.** **(4.OA.A.2)** The bar model shows the friend's bar split into 3 equal pieces, each the size of Elena's 2 books. So we multiply: $3 \times 2 = 6$ books.
- 3) **Choice C is correct.** **(4.NF.B.4)** Maya hops by halves: $\frac{1}{2}, \frac{2}{2}, \frac{3}{2}$. After 3 hops, she reaches $\frac{3}{2}$.
- 4) **Choice D is correct.** **(4.OA.A.3)** Two steps! Step 1: add the new shipment: $100 + 35 = 135$ apples. Step 2: take away the ones sold: $135 - 42 = 93$ apples left.
- 5) **Choice B is correct.** **(4.G.A.3)** An isosceles triangle has two equal sides meeting at the top (vertex angle). A fold line from that top point straight down to the middle of the base creates matching left and right halves. The answer is An isosceles triangle with the line through the vertex angle.
- 6) **Choice B is correct.** **(4.NF.B.3)** Add numerators: $1 + 3 = 4$. We get $\frac{4}{4}$, which is one whole. When the top and bottom match, it equals 1.
- 7) **Choice A is correct.** **(4.NBT.B.6)** Use long division: $2 \div 7 = 0$ r2, bring down the 5 to get $25 \div 7 = 3$ r4, bring down the 2 to get $42 \div 7 = 6$, bring down the 0 to get $0 \div 7 = 0$. The answer is **360**.
- 8) **The correct answer is 0.70.** **(4.NF.C.5)** A trailing zero doesn't change the value. Both 0.7 and 0.70 equal the same amount.
- 9) **Choice B is correct.** **(4.MD.C.5)** This reflex angle measures 270° , which means it is made of **270** one-degree angles.
- 10) **Choice B is correct.** **(4.MD.C.5)** From 12 to 4 on a clock is one-third of the way around, which is $\frac{1}{3} \times 360^\circ = 120^\circ$.
- 11) **The correct answer is $2\frac{2}{3}$.** **(4.NF.B.4)** We take 4 copies of $\frac{2}{3}$. Multiply: $4 \times \frac{2}{3} = \frac{4 \times 2}{3} = \frac{8}{3} = 2\frac{2}{3}$. The answer is **$2\frac{2}{3}$** .
- 12) **Choice B is correct.** **(4.NF.B.3)** Since $\frac{4}{10} < \frac{5}{10}$, regroup: $7\frac{4}{10} = 6\frac{14}{10}$. Subtract: $6\frac{14}{10} - 2\frac{5}{10} = 4\frac{9}{10}$.
- 13) **Choice C is correct.** **(4.MD.A.2)** Noah buys 3 bottles, each holding 500 mL. Multiply: $3 \times 500 = 1,500$ mL. He buys **1,500** milliliters in total.
- 14) **Choice A is correct.** **(4.MD.C.6)** This angle measures about 70° . When we round to the nearest 10 degrees, it stays at 70° because 70° is right at the mark. The answer is **70** degrees.
- 15) **Choice C is correct.** **(4.NBT.A.2)** The hundreds digit (third from right) is 7. Value: $7 \times 100 = 700$ ✓
- 16) **Choice C is correct.** **(4.NBT.A.1)** Read the value backwards: $600 = 6 \times 100$. A digit's value equals digit \times place value. Since the place value here is 100, the digit must be in the hundreds place. *Quick check:* the places are ones ($\times 1$), tens ($\times 10$), hundreds ($\times 100$), thousands ($\times 1,000$). ✓
- 17) **The correct answer is A, D.** **(4.MD.C.7)** B is wrong ($125^\circ - 50^\circ = 75^\circ$). C is wrong ($360^\circ \div 4 = 90^\circ$). E is wrong ($90^\circ - 30^\circ = 60^\circ$).
- 18) **Choice B is correct.** **(4.NF.B.4)** The fraction $\frac{11}{12}$ tells us the numerator is 11 and the unit fraction is $\frac{1}{12}$. So we have 11 copies of $\frac{1}{12}$, or $11 \times \frac{1}{12}$.
- 19) **Choice A is correct.** **(4.NBT.B.5)** Multiply by parts: $13 \times (60 + 4) = 780 + 52 = 832$ books.
- 20) **Choice A is correct.** **(4.NF.B.3)** A farmer has two field sections. Add the areas: $1\frac{2}{5} + 2\frac{3}{5} = 3\frac{5}{5} = 4$ acres total.
- 21) **Choice A is correct.** **(4.MD.C.5)** Since 45 degrees is less than 90 degrees, this is an acute angle.
- 22) **Choice D is correct.** **(4.OA.A.1)** Read $32 = 8 \times 4$ in words: "32 equals 8 groups of 4," which is the same as "32 is 8 times as many as 4." The other choices describe adding or subtracting, not multiplying.
- 23) **Choice A is correct.** **(4.NF.A.1)** Same numerator, different denominators: larger denominator means smaller pieces. Since thirds are bigger than fourths, $\frac{1}{3} > \frac{1}{4}$.
- 24) **Choice A is correct.** **(4.NF.B.3)** Maya's ribbon is cut into 11 equal pieces, and she uses 6 of them. So the fraction is $\frac{6}{11}$, which is **6** copies of $\frac{1}{11}$.
- 25) **The correct answer is 22.** **(4.OA.B.4)** Start at 2 and add 5 four times: 2, 7, 12, 17, **22**. The 5th term is **22**.
- 26) **Choice B is correct.** **(4.NF.C.5)** 0.5 represents half. The number line goes from 0 to 1, so 0.5 sits exactly in the middle at mark B.



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A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 4 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 4 tests, you learned that trying is the most important thing. ★

Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

Big tip for test day: take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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

Jay Daie

Your Math Friend

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!



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