

3

Maryland MCAP

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**

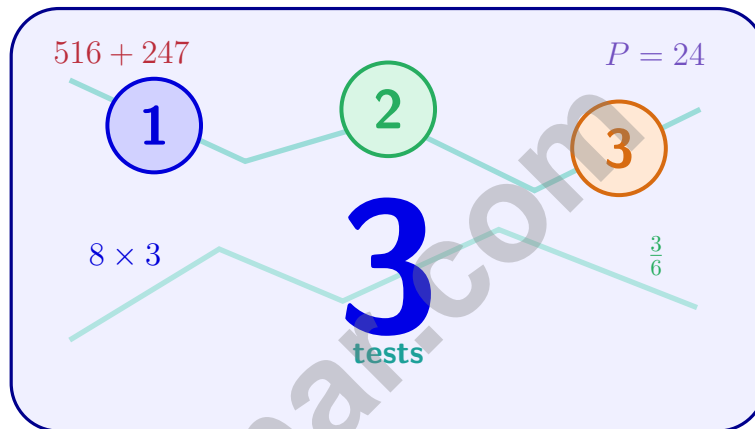
$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 Maryland MCAP 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, Maryland MCAP 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, Maryland Math Explorer!

Three steady rounds on the Old Line State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 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.



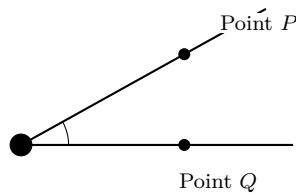
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5) An orchard has 3,780 apples to pack into crates of 5 apples each. How many full crates can they make?

- A. 750
- B. 760
- C. 756
- D. 770



6)

Two points are marked on the sides of an angle. Which statement is always true?

- A. Point *P* is the vertex
- B. Point *Q* is the vertex
- C. Both are on rays
- D. Both are at the vertex

7) Use this place-value table to convert 40,506 to word form:

Ten-Thousands	Thousands	Hundreds	Tens	Ones
4	0	5	0	6

- A. Forty thousand, fifty-six
- B. Four hundred thousand, five hundred six
- C. Forty thousand, five hundred sixty
- D. Forty thousand, five hundred six

8) Marcus has 28 birthday candles. Marcus has 7 times as many candles as Sylvio. How many candles does Sylvio have?

- A. 35
- B. 7
- C. 21
- D. 4

9) In the number 3,817, the digit 8 represents which of these?

- A. 8 ones C. 8 hundreds
 B. 8 tens D. 8 thousands

10) How many jumps of $\frac{1}{6}$ are needed to reach $\frac{4}{6}$?

11) How many factors does 32 have?

- A. 4 C. 6
 B. 5 D. 7

12) Simplify $\frac{2}{8}$.

13) Write $2 \times \frac{1}{3}$ as a fraction.

- A. $\frac{1}{6}$ C. $\frac{2}{1}$
 B. $\frac{2}{3}$ D. $\frac{3}{2}$



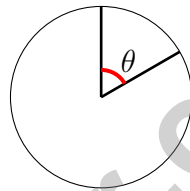
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1) A bakery makes 25 trays of cookies. Each tray holds 28 cookies. How many cookies are made?

- A. 600 cookies C. 750 cookies
 B. 800 cookies D. 700 cookies

2) What is $7 \times \frac{1}{5}$ as a mixed number?

- A. $\frac{1}{35}$ C. $2\frac{2}{5}$
 B. $\frac{7}{1}$ D. $\frac{7}{5}$ or $1\frac{2}{5}$



3)

What is the measure of angle θ shown in the diagram?

- A. 30° C. 60°
 B. 45° D. 90°

4)

$$\begin{array}{r}
 2,347 \\
 +3,285 \\
 \hline
 \end{array}$$

↗ Carry 1
 ↘ Add ones: $7 + 5 = 12$

What is the sum $2,347 + 3,285$?

- A. 5,632 C. 5,542
 B. 5,722 D. 5,742

5) A bookstore has two registers. Register A has \$0.96 in coins. Register B has \$0.69 in coins. Which register has more money?

- A. Register A (\$0.96) C. Both registers have the same amount
 B. Register B (\$0.69) D. Register B has more

6) A pattern follows the rule “add 3.” If the second term is 10, what is the first term?

- A. 6 C. 13
 B. 15 D. 7

7) In 0.84, what is the value of the digit 8 as a decimal?

8) Which does NOT correctly decompose $\frac{8}{10}$?

- A. $\frac{4}{10} + \frac{4}{10}$ C. $\frac{2}{10} + \frac{5}{10}$
 B. $\frac{3}{10} + \frac{5}{10}$ D. $\frac{1}{10} + \frac{7}{10}$

9) Which fraction bar shows $\frac{4}{6} + \frac{2}{6}$?



$\frac{4}{6}$ (green) + $\frac{2}{6}$ (orange)

- A. $\frac{4}{12}$ C. $\frac{6}{12}$
 B. $\frac{6}{6}$ D. $\frac{6}{8}$



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5) Which decimal is between 0.70 and 0.80?

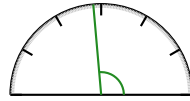
A. 0.68

C. 0.82

B. 0.75

D. 0.69

6)



Is this angle acute, right, obtuse, or straight?

A. Acute

C. Obtuse

B. Right

D. Straight

7) Which best represents $\frac{10}{6}$ as a mixed number?

A. $1\frac{2}{6}$

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

B. $1\frac{4}{6}$

D. $\frac{10}{6}$ cannot be a mixed number

8) What is $3 \times \frac{4}{6}$ in simplest form?

A. $\frac{7}{6}$

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

B. $\frac{4}{18}$

D. $\frac{12}{6}$ or 2

9) What is 5×234 ?

A. 1170

C. 1070

B. 965

D. 855

10) Jackson has $3\frac{5}{6}$ cups of juice. He drinks $2\frac{2}{6}$ cups. How much juice remains?

A. $1\frac{3}{6}$

C. $5\frac{7}{6}$

B. $1\frac{2}{6}$

D. $2\frac{3}{6}$



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 C is correct.** (4.MD.B.4) Count how many leaves measured 1 inch (which is the same as $\frac{2}{2}$ inch). We find **3** leaves with this length.
- 2) **Choice C is correct.** (4.NF.C.5) Convert the strawberries: $\frac{8}{10} = \frac{80}{100}$. Now add: $\frac{80}{100} + \frac{15}{100} = \frac{95}{100}$ pound.
- 3) **Choice A is correct.** (4.MD.C.7) A full rotation is 360° . Subtract what you've turned: $360^\circ - 215^\circ = 145^\circ$.
- 4) **Choice B is correct.** (4.MD.A.3) From the diagram: length is 7 in and width is 3 in. Perimeter = $2(7) + 2(3) = 14 + 6 = 20$ in.
- 5) **Choice C is correct.** (4.NBT.B.6) Divide: $37 \div 5 = 7$ r2, bring down the 8 to get $28 \div 5 = 5$ r3, bring down the 0 to get $30 \div 5 = 6$. The orchard makes **756** full crates.
- 6) **Choice C is correct.** (4.MD.C.5) Points marked on the sides of an angle lie on the rays that form the angle.
- 7) **Choice D is correct.** (4.NBT.A.2) From the chart: ten-thousands: 4, thousands: 0 (omit), hundreds: 5, tens: 0 (omit), ones: 6 → "forty thousand, five hundred six" ✓
- 8) **Choice D is correct.** (4.OA.A.2) Marcus's 28 candles are 7 times Sylvio's amount. To find Sylvio's amount, divide: $28 \div 7 = 4$ candles.
- 9) **Choice C is correct.** (4.NBT.A.1) In 3,817, the digit 8 is in the hundreds place, so it represents **8** hundreds (or 800). ✓
- 10) **The correct answer is 4.** (4.NF.B.3) To reach $\frac{4}{6}$, we count the unit fractions: **4** jumps of $\frac{1}{6}$ get us there.
- 11) **Choice C is correct.** (4.OA.B.4) Factor pairs of 32: 1×32 , 2×16 , 4×8 . That gives factors 1, 2, 4, 8, 16, 32—count them up: **6** factors.
- 12) **The correct answer is $\frac{1}{4}$.** (4.NF.A.1) Divide both numerator and denominator by their common factor 2: $\frac{2}{8} = \frac{1}{4}$.
- 13) **Choice B is correct.** (4.NF.B.4) To write $2 \times \frac{1}{3}$ as a fraction, count the copies: we have 2 copies of $\frac{1}{3}$. So the fraction is $\frac{2}{3}$.
- 14) **The correct answer is 17.** (4.OA.B.4) Add 3 each time: 2, 5, 8, 11, 14, **17**. Figure 6 has **17** squares.
- 15) **Choice D is correct.** (4.OA.A.3) Divide to pack: $73 \div 12 = 6$ remainder 1. So 6 complete boxes get filled and 1 cookie is left over. *Check:* $6 \times 12 = 72$, and $73 - 72 = 1$. ✓
- 16) **Choice A is correct.** (4.G.A.1) This angle opens up a small amount, much less than a right angle. Since it's less than 90° , it's an acute angle.
- 17) **The correct answer is A, E.** (4.NF.C.5) Trailing zeros don't matter. A is true: $0.5 = 0.50$ (both 5 tenths). E is true: $0.3 = 0.30$ (both 3 tenths). B is false: $0.5 \neq 0.05$. C is false: $0.50 \neq 0.05$. D is false: $0.5 \neq 0.51$.
- 18) **Choice B is correct.** (4.NF.B.4) Two bars stacked, each $\frac{1}{4}$ tall: $2 \times \frac{1}{4} = \frac{2}{4}$.
- 19) **Choice C is correct.** (4.MD.C.5) In 30 minutes, the minute hand moves from 12 to 6 (a half turn), sweeping **180°** .
- 20) **Choice D is correct.** (4.NBT.B.5) Split and calculate: $18 \times (10 + 6) = 180 + 108 = \mathbf{288}$ square units.
- 21) **Choice C is correct.** (4.NF.C.5) The place-value chart shows: ones place = 0, tenths place = 7, hundredths place = 5. Put it together: 0.75.
- 22) **Choice C is correct.** (4.MD.C.5) A full turn all the way around a point is 360° , made of **360** one-degree angles.
- 23) **Choice B is correct.** (4.MD.A.1) Since 1 meter = 100 centimeters, multiply: $3 \times 100 = 300$ cm. The answer is **300** cm.
- 24) **Choice B is correct.** (4.NF.B.3) Add the numerators: $8 + 3 = 11$. With the same denominator, we get $\frac{11}{12}$.
- 25) **Choice D is correct.** (4.OA.A.1) "3 times as many" is a multiplication signal. Emma's sister has $6 \times 3 = 18$ books.
- 26) **Choice D is correct.** (4.NBT.B.4) Subtract by place value. No regrouping is needed. The answer is **4,444**.
- 27) **Choice A is correct.** (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 2. Since $2 < 5$, we round DOWN. The hundreds digit stays at 6, so Ava read about **4,600** pages. ✓
- 28) **Choice B is correct.** (4.NF.B.4) On the number line, we make 2 jumps of $\frac{3}{4}$ each, landing at $\frac{6}{4} = 1\frac{1}{2}$. So $2 \times \frac{3}{4} = 1\frac{1}{2}$. The answer is **$1\frac{1}{2}$** .
- 29) **Choice A is correct.** (4.NF.B.3) Add the wholes: $2 + 1 = 3$. Add the fractions: $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$. The sum is **$3\frac{7}{8}$** .



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Hi, Math Champion!

◇ You trained hard! 3 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!
★

Your Game Stats

- **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

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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