

# 7

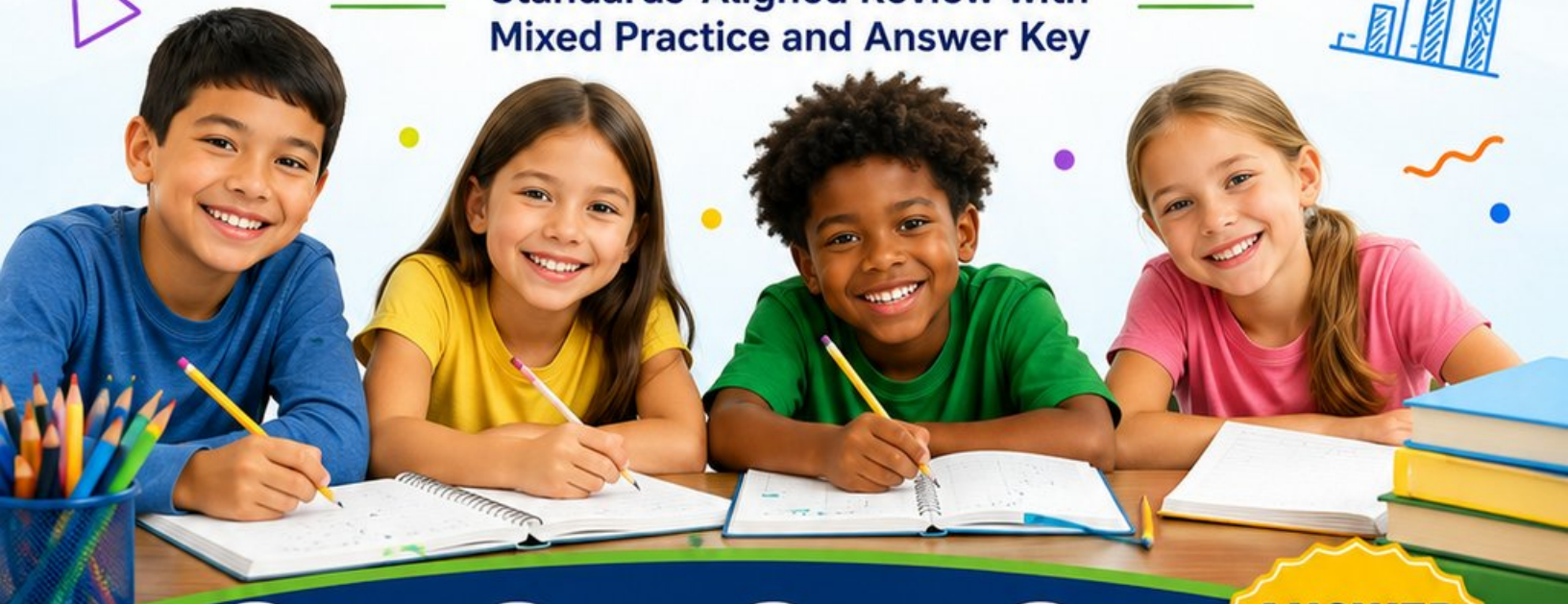
# Tennessee

## TCAP

## GRADE 4 MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Full-Length  
Practice Tests



Standards-  
Aligned



Build Confidence  
and Skills



Mixed Question  
Types

**ANSWER  
KEY**

**INCLUDED**

# 7 Tennessee TCAP Grade 4 Math Practice Tests

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



Seven complete 30-question Grade 4 practice rounds for TCAP, built around music notes, river valleys, and strong step-by-step work, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Tennessee Math Explorer!

Seven steady rounds on the Volunteer State math route

This book gives you seven full Grade 4 practice tests for TCAP. Each round uses music notes, river valleys, and strong step-by-step work to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Tennessee 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 Tennessee TCAP 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 Volunteer 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?

Seven tests, 210 questions, and a full TCAP 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 5–7	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.

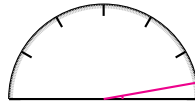


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& answers

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1)



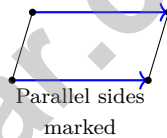
Mia measures a very small angle. Which of these is most likely the degree measure?

- A. 45 degrees                       C. 10 degrees  
 B. 100 degrees                       D. 175 degrees

2) Round 23,562 to the nearest thousand.

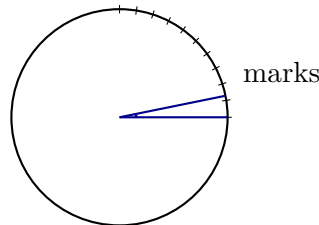
- A. 23,000                       C. 23,600  
 B. 20,000                       D. 24,000

3) Which figure has at least one pair of parallel sides?



- A. Trapezoid                       C. Pentagon  
 B. Triangle                       D. Hexagon

4)



This angle reaches the first 9° mark. How many one-degree angles make this angle?

- A. 9 one-degree angles                       C. 18 one-degree angles  
 B. 4.5°                       D. 1°



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5) A bookstore receives 7 shipments of books. Each shipment has 256 books. How many books are received?

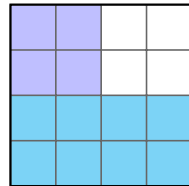
A. 1792

C. 1589

B. 1648

D. 1856

6) A  $4 \times 4$  grid has 16 equal squares. The shaded part is decomposed into two regions:



Which shows the decomposition?

A.  $\frac{4}{16} + \frac{8}{16}$

C.  $\frac{12}{16} + \frac{4}{16}$

B.  $\frac{6}{16} + \frac{10}{16}$

D.  $\frac{8}{16} + \frac{8}{16}$

7) Add:  $54,321 + 45,678 = ?$

A. 99,999

C. 99,989

B. 100,099

D. 99,899

8) The school cafeteria served 1,250 lunches last month. What is the value of the digit 2 in this number?

A. 2

C. 200

B. 20

D. 2,000



9) A carton of juice contains 3 liters. How much juice is in 9 cartons?

A. 12 L

C. 27 L

B. 18 L

D. 30 L

10) A line plot with halves shows measurements:  $\frac{1}{2}$  in,  $\frac{1}{2}$  in, 1 in,  $\frac{3}{2}$  in, 1 in, 1 in,  $\frac{3}{2}$  in, 1 in. How many total data points are there?

11) 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?

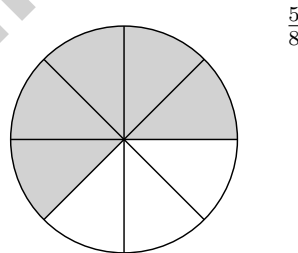
A. Yes,  $\frac{1}{2}$  mile more

C. Exactly one mile

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

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

12) On a pie chart divided into 8 equal slices, how many slices represent  $\frac{5}{8}$  of the pie?



A. 2 slices

C. 5 slices

B. 3 slices

D. 8 slices



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- 1) A farmer plants 15 rows of corn. Each row has 43 plants. How many corn plants are planted in total?

- 2) A fundraiser sold 1,512 raffle tickets. They want to split the money equally among 7 charities. If each ticket costs \$1, how much money does each charity receive?

- A. \$206                                       C. \$226  
 B. \$236                                       D. \$216

- 3) Which numeral represents “four hundred twenty-three thousand, fifty-one”?

- A. 423,501                                       C. 42,351  
 B. 423,510                                       D. 423,051

- 4) A triangle has one angle that is greater than 90 degrees. What is this triangle called?

- A. Acute triangle                                       C. Obtuse triangle  
 B. Right triangle                                       D. Equilateral triangle

- 5) A bag of flour weighs  $5\frac{3}{10}$  pounds. After using some flour,  $2\frac{1}{10}$  pounds remain. How much flour was used?

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





1) Add:  $\frac{3}{10} + \frac{5}{100}$ .

A.  $\frac{8}{100}$

B.  $\frac{8}{110}$

C.  $\frac{35}{100}$

D.  $\frac{80}{100}$

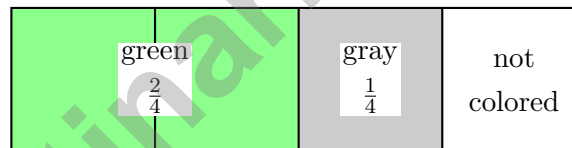
2) A figure has exactly 3 lines of symmetry. Which listed figure matches that description?

 A. It is a square B. It is an equilateral triangle C. It is a rectangle D. It is a circle

3) A chef uses 4 tablespoons of salt in a recipe. How many teaspoons is this? (Hint: 1 tablespoon = 3 teaspoons)

 A. 4 B. 8 C. 12 D. 16

4)



A yard is divided into 4 equal parts. Green shows  $\frac{2}{4}$  and gray shows  $\frac{1}{4}$ . What fraction is not colored?

A.  $\frac{3}{4}$

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

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

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



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- 5) An error analysis: A student added  $\frac{2}{4} + \frac{3}{4}$  and got  $\frac{5}{8}$ . What did the student do wrong?
- A. Added the denominators instead of keeping them the same.
- B. Subtracted instead of added.
- C. Forgot to simplify.
- D. Used the wrong denominator in the answer.
- 6) Which of the following is a prime number?
- A. 9
- B. 15
- C. 17
- D. 21
- 7) What is the standard form of  $400,000 + 80,000 + 3,000 + 200 + 0 + 1$ ?
- A. 483,021
- B. 483,210
- C. 408,301
- D. 483,201
- 8) What is  $3\frac{2}{10} - 1\frac{4}{10}$ ?
- A.  $1\frac{4}{10}$
- B.  $1\frac{5}{10}$
- C.  $1\frac{6}{10}$
- D.  $1\frac{8}{10}$
- 9) Jada has 3 stickers. Her brother has 5 times as many stickers. How many stickers does her brother have?
- A. 8
- B. 35
- C. 18
- D. 15
- 10) What is  $100,000 - 67,234$ ?
- A. 32,766
- B. 33,766
- C. 32,666
- D. 33,666



## 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

- Choice C is correct.** **(4.MD.C.6)** A very small angle is acute, opening just a tiny amount from the baseline.  $10^\circ$  is very close to  $0^\circ$  and matches this narrow angle perfectly. The other choices open much wider. The answer is **10** degrees.
- Choice D is correct.** **(4.NBT.A.3)** We're rounding to the nearest thousand. Look at the hundreds digit: 5. Since  $5 \geq 5$ , we round UP! The thousands digit changes from 3 to 4, giving us **24,000**. ✓
- Choice A is correct.** **(4.G.A.2)** The arrows clearly mark exactly one pair of parallel sides, which is the defining characteristic of a trapezoid. The other two sides are not parallel. The answer is **A**.
- Choice A is correct.** **(4.MD.C.5)** The small angle reaches the first degree mark at  $9^\circ$ , containing **9** one-degree angles.
- Choice A is correct.** **(4.NBT.B.5)** Break 256 by value:  $7 \times (200 + 50 + 6) = 1400 + 350 + 42 = \mathbf{1792}$  books.
- Choice A is correct.** **(4.NF.B.3)** Count the shaded squares. Light: 4 squares out of 16. Dark: 8 squares. Together:  $4 + 8 = 12$ , so  $\frac{4}{16} + \frac{8}{16} = \frac{12}{16}$ . ✓
- Choice A is correct.** **(4.NBT.A.3)** Add by place value: ones  $1 + 8 = 9$ , tens  $2 + 7 = 9$ , hundreds  $3 + 6 = 9$ , thousands  $4 + 5 = 9$ , ten-thousands  $5 + 4 = 9$ . The sum is **99,999**.
- Choice C is correct.** **(4.NBT.A.1)** In 1,250, the digit 2 is in the hundreds place. Its value is  $2 \times 100 = \mathbf{200}$ . ✓
- Choice C is correct.** **(4.MD.A.2)** Each carton holds 3 liters. For 9 cartons, multiply:  $3 \times 9 = 27$  liters. There are **27** liters of juice.
- The correct answer is 8.** **(4.MD.B.4)** Count all the measurements:  $\frac{1}{2}$  in appears 2 times, 1 in appears 4 times, and  $\frac{3}{2}$  in appears 2 times. So  $2 + 4 + 2 = \mathbf{8}$  data points total.
- Choice A is correct.** **(4.NF.B.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.B.4)** The circle is divided into 8 equal slices. The fraction  $\frac{5}{8}$  means 5 of those slices are shaded. So there are **5** slices.
- The correct answer is 2.** **(4.G.A.3)** A rectangle that's not square is longer in one direction. It balances perfectly along a vertical line through the middle and a horizontal line through the middle. The answer is **2**.
- Choice D is correct.** **(4.NF.B.3)** The number line shows four arrows, each jumping  $\frac{1}{4}$ . Counting them: **4** jumps of  $\frac{1}{4}$  equal 1 whole.
- The correct answer is A, D.** **(4.NBT.B.6)** Use long division:  $15 \div 8 = 1$  r7, bring down the 1 to get  $71 \div 8 = 8$  r7, bring down the 2 to get  $72 \div 8 = 9$ . The quotient is 189 with no remainder. Statements A and D are correct (each site gets exactly 189 bricks, and the quotient is 189). Statements B, C, and E are incorrect because there is no remainder, each site gets 189 not 190, and the first step has the wrong remainder.
- Choice D is correct.** **(4.OA.B.4)** A multiple of 7 is what you get from  $7 \times$  a whole number. Since  $7 \times 7 = 49$ , that makes 49 a multiple of 7. The others don't fit:  $45 = 5 \times 9$ ,  $52 = 4 \times 13$ ,  $60 = 6 \times 10$ .
- Choice B is correct.** **(4.MD.C.7)** The diagram shows two angles meeting at one vertex. Add them together:  $28^\circ + 47^\circ = \mathbf{75^\circ}$ .
- The correct answer is 48.** **(4.OA.B.4)** The  $n$ th multiple of 4 is just  $4 \times n$ . So the 12th term is  $4 \times 12 = \mathbf{48}$ . *Quick check by skip-counting:* 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48—the 12th number is indeed 48. ✓
- Choice C is correct.** **(4.NF.B.4)** We take 5 copies of  $\frac{1}{6}$  and add them together. Multiply the whole number by the numerator:  $5 \times \frac{1}{6} = \frac{5 \times 1}{6} = \frac{5}{6}$ . The answer is  $\frac{5}{6}$ .
- Choice A is correct.** **(4.NF.A.1)** All three simplify to  $\frac{1}{2}$ :  $\frac{2}{4} = \frac{1}{2}$ ,  $\frac{3}{6} = \frac{1}{2}$ ,  $\frac{5}{10} = \frac{1}{2}$ . They're all equal!
- Choice C is correct.** **(4.NF.B.3)** Add the wholes:  $4 + 1 = 5$ . Add the fractions:  $\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$ . The sum is  $5\frac{5}{6}$ .
- Choice D is correct.** **(4.OA.A.3)** Two steps! Step 1: take away the sheep she sold:  $80 - 25 = 55$ . Step 2: add the new sheep:  $55 + 30 = 85$  sheep.
- Choice C is correct.** **(4.NF.C.5)** A price of \$0.45 is forty-five cents, or  $\frac{45}{100}$  of a dollar.
- Choice D is correct.** **(4.NF.A.1)** The denominator changes from 5 to 20. Divide:  $20 \div 5 = 4$ . So multiply the numerator by 4:  $4 \times 4 = 16$ .
- Choice D is correct.** **(4.OA.A.2)** The school lot's 56 spots are 7 times the mall lot's spots. To find the smaller amount, divide:  $56 \div 7 = 8$  parking spots.



## Hi, Math Athlete!

◇ 7 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).

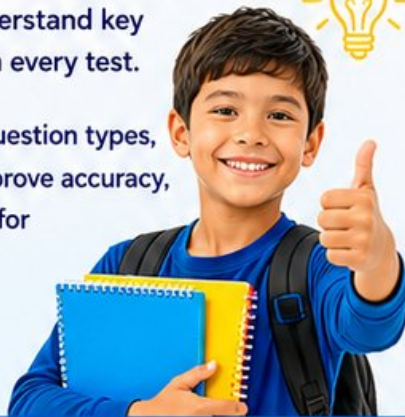
**Jay Daie**

Your Math Trainer

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This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

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Measure growth across multiple practice tests.



### Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ And More!



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Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included