6 Tennessee TCAP

GRADE 4

MATH PRACTICE TESTS

Standards-Aligned Review with Mixed Practice and Answer Key

MASTER KEY MATH CONCEPTS

BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY

ALIGNED STATE STANDARDS

6 Tennessee TCAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key

Six 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.

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Welcome, Tennessee Math Explorer!

Six steady rounds on the Volunteer State math route

This book gives you six 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.

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?

Six tests, 180 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 4–6	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.

Table of Contents

2,345 7,654

1) Sum = ?

Use a number line to help. What is $2{,}345 + 7{,}654$?

☐ A. 9,999
☐ B. 10,099
☐ C. 9,989
☐ D. 9,899

2) Which fraction is NOT equal to $\frac{1}{2}$?

☐ A. $\frac{3}{6}$
☐ B. $\frac{4}{8}$
☐ C. $\frac{5}{10}$
☐ D. $\frac{2}{5}$

3) Sam has 3 dimes and 30 pennies. Which shows why these amounts are equal?

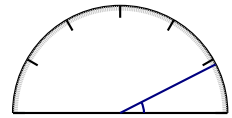
☐ A. 3 dimes = $\frac{3}{10}$ dollar; 30 pennies = $\frac{30}{100}$ dollar
☐ B. 3 dimes = $\frac{30}{10}$ dollar; 30 pennies = $\frac{30}{100}$ dollar
☐ C. 3 dimes = $\frac{3}{100}$ dollar; 30 pennies = $\frac{30}{100}$ dollar
☐ D. 3 dimes = $\frac{13}{10}$ dollar; 30 pennies = $\frac{30}{100}$ dollar

4) Tyler has 6 toy trains. His cousin has 4 times as many toy trains. How many toy trains does his cousin have?

5) Which list shows consecutive multiples of 5 starting at 5?

☐ A. $5, 10, 15, 20, 25$
☐ B. $5, 15, 20, 35, 40$
☐ C. $5, 10, 15, 20, 30$
☐ D. $10, 20, 30, 40, 50$

6) A table is 2 meters long. Convert this to centimeters.

7) 

What is the measure of the angle shown?

☐ A. 25 degrees
☐ B. 27 degrees
☐ C. 30 degrees
☐ D. 32 degrees

8) If an angle has 38 one-degree angles, what is its measure?

☐ A. 38°
☐ B. 19°
☐ C. 76°
☐ D. 380°

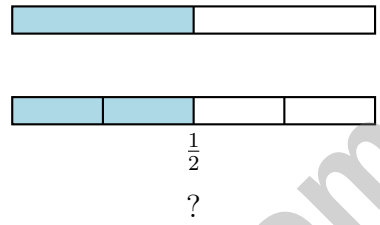
9) Compare two multiples: Is $6 \times \frac{1}{10}$ greater than, less than, or equal to $\frac{6}{10}$?

☐ A. Greater than
☐ B. Less than
☐ C. Equal to
☐ D. Cannot compare

10) A park ranger counts animals. She counts 6 groups of deer with 12 deer per group, and 7 groups of rabbits with 12 rabbits per group. How many total animals does she count?

☐ A. 192 animals
☐ B. 144 animals
☐ C. 136 animals
☐ D. 156 animals

11) Look at the two fraction bars. Both bars are the same length.



Which fraction should replace the question mark?

☐ A. $\frac{1}{4}$
☐ B. $\frac{4}{4}$
☐ C. $\frac{3}{4}$
☐ D. $\frac{2}{4}$

12) Which fraction is closest to 1 whole?

☐ A. $\frac{4}{6}$
☐ B. $\frac{5}{8}$
☐ C. $\frac{6}{10}$
☐ D. $\frac{3}{4}$

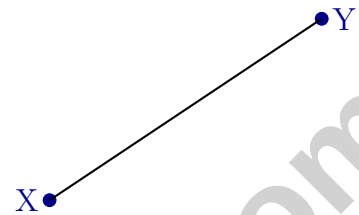
13) A baker has $\frac{11}{8}$ pounds of sugar. Which shows one way to decompose this?

☐ A. $\frac{8}{8} + \frac{3}{8}$
☐ B. $\frac{5}{8} + \frac{4}{8} + \frac{1}{8}$
☐ C. $\frac{7}{8} + \frac{3}{8}$
☐ D. $\frac{6}{8} + \frac{4}{8}$

1) A rectangular field has a perimeter of 80 meters. The length is 25 meters. What is the width?

☐ A. 10 m
☐ B. 15 m
☐ C. 20 m
☐ D. 55 m

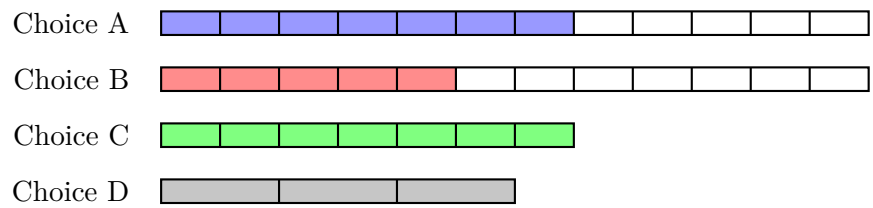
2) What are the endpoints of this line segment?



☐ A. X and Y
☐ B. Only X
☐ C. Only Y
☐ D. The midpoint

3) Find $\frac{3}{4} + \frac{2}{4}$ as a mixed number.

4) Which fraction bar correctly shows $\frac{7}{12}$?



☐ A. 7 shaded out of 12
☐ B. 5 shaded out of 12
☐ C. 7 shaded out of 7
☐ D. 3 shaded out of 3

5) The minute hand starts at 12 and moves to 6. How many degrees does it rotate?

☐ A. 90°
☐ B. 180°
☐ C. 270°
☐ D. 360°

6) Is 23 prime or composite?

☐ A. It depends
☐ B. Composite
☐ C. Neither
☐ D. Prime

7) Mia has 7 cups. Each cup holds 8 marbles. She loses 15 marbles. How many marbles does she have left?

☐ A. 56
☐ B. 49
☐ C. 71
☐ D. 41

8) A compass needle rotates 78° clockwise, then another 42° clockwise. What is the total clockwise rotation?

☐ A. 36°
☐ B. 120°
☐ C. 78°
☐ D. 180°

9) Which number rounds to 9,000 when rounded to the nearest thousand?

☐ A. 8,499
☐ B. 8,401
☐ C. 9,450
☐ D. 9,600

10) What is 3,564 ÷ 6?

☐ A. 594
☐ B. 604
☐ C. 614
☐ D. 584

1) Mia has 0.4 of a pizza. How can she write this as a fraction with denominator 10?

☐ A. $\frac{4}{100}$
☐ B. $\frac{4}{10}$
☐ C. $\frac{40}{100}$
☐ D. $\frac{4}{1000}$

2) How many degrees in $\frac{2}{3}$ of a full turn around a circle?

☐ A. 180°
☐ B. 200°
☐ C. 240°
☐ D. 270°

3) What is $3{,}645 \div 5$?

☐ A. 739
☐ B. 749
☐ C. 719
☐ D. 729

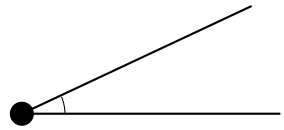
4) Subtract: $7{,}000 - 2{,}345 = ?$

5) Which numeral represents "three hundred seven thousand, four"?

☐ A. 370,040
☐ B. 307,400
☐ C. 30,704
☐ D. 307,004

6) Compare: $\frac{1}{4}$ and $\frac{3}{4}$.

☐ A. $\frac{1}{4} > \frac{3}{4}$
☐ B. Cannot compare
☐ C. $\frac{1}{4} = \frac{3}{4}$
☐ D. $\frac{1}{4} < \frac{3}{4}$

7) 

The angle shown has a small opening. Which statement is true?

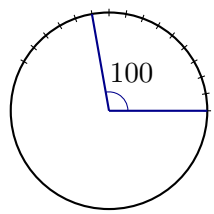
☐ A. It is a right angle
☐ B. It is a straight angle
☐ C. It is an acute angle
☐ D. It is an obtuse angle

8) A garden plot needs $\frac{6}{4}$ bags of soil. The gardener already has $\frac{2}{4}$ bags. How many more bags are needed?

☐ A. $\frac{4}{4}$
☐ B. $\frac{8}{4}$
☐ C. $\frac{2}{4}$
☐ D. $\frac{1}{4}$

9) At lunch, each child gets $\frac{1}{2}$ sandwich. If there are 8 children, how many sandwiches are needed?

☐ A. $\frac{1}{16}$ sandwich
☐ B. 4 sandwiches
☐ C. $\frac{7}{2}$ sandwiches (or $3\frac{1}{2}$ sandwiches)
☐ D. 8 sandwiches

10) 

Ava drew an angle that measures 100 degrees. How many one-degree angles does it contain?

☐ A. 50 one-degree angles
☐ B. 100 one-degree angles
☐ C. 200 one-degree angles
☐ D. 10 one-degree angles

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.

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

1) **Choice A is correct.** 4.NBT.A.3 Add: $2{,}345 + 7{,}654 = \mathbf{9{,}999}$. The digits complement each other perfectly!
2) **Choice D is correct.** 4.NF.A.1 Which is NOT $\frac{1}{2}$? The first three all reduce to $\frac{1}{2}$: $\frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{1}{2}$. But $\frac{2}{5}$ is less than half.
3) **Choice A is correct.** 4.NF.C.5 Three dimes = $\frac{3}{10}$ dollar, and thirty pennies = $\frac{30}{100}$ dollar. They're equal!
4) **The correct answer is** 24. 4.OA.A.1 "4 times as many" tells us to multiply. The cousin has $6 \times 4 = \mathbf{24}$ trains.
5) **Choice A is correct.** 4.OA.B.4 Multiples of 5 are what you get when you skip-count by 5: $5, 10, 15, 20, 25, \ldots$ Choice A counts in order with no skips. Choice B jumps $10 \to 20 \to 35$ (gaps); choice C jumps over 25; choice D starts at 10 instead of 5.
6) **The correct answer is** 200. 4.MD.A.1 Since 1 meter = 100 centimeters, multiply: $2 \times 100 = 200$ cm.
7) **Choice B is correct.** 4.MD.C.6 The ray points to the 27° mark, which is between 20° and 30°. Since $27° < 90°$, this is a small acute angle. The answer is **27** degrees.
8) **Choice A is correct.** 4.MD.C.5 An angle made of 38 one-degree angles has a measure of **38**°.
9) **Choice C is correct.** 4.NF.B.4 $6 \times \frac{1}{10} = \frac{6}{10}$, so they"re exactly equal!
10) **Choice D is correct.** 4.OA.A.3 Three steps! Step 1: deer total: $6 \times 12 = 72$. Step 2: rabbit total: $7 \times 12 = 84$. Step 3: add for grand total: $72 + 84 = 156$ animals.
11) **Choice D is correct.** 4.NF.A.1 The shaded parts in both bars cover the same length, even though the second bar has more pieces. When you divide each half into 2 more pieces, $\frac{1}{2}$ becomes $\frac{2}{4}$—same amount, more pieces.
12) **Choice D is correct.** 4.NF.B.3 To get to 1: A needs $\frac{2}{6}$ more, B needs $\frac{3}{8}$ more, C needs $\frac{4}{10}$ more, D needs only $\frac{1}{4}$ more. The tiniest gap is $\frac{1}{4}$, so $\mathbf{\frac{3}{4}}$ wins.
13) **Choice A is correct.** 4.NF.B.3 The baker has $\frac{11}{8}$ pounds. One whole is $\frac{8}{8}$, leaving $11 - 8 = 3$ more eighths. So: $\frac{8}{8} + \frac{3}{8} = \frac{11}{8}$ ✓.
14) **Choice B is correct.** 4.NF.B.3 $\frac{2}{3}$ means two pieces, each of size $\frac{1}{3}$. So $\mathbf{\frac{2}{3}} = \mathbf{\frac{1}{3}} + \mathbf{\frac{1}{3}}$—two unit fractions added together.
15) **Choice A is correct.** 4.NF.B.3 The rope is colored with red, yellow, and blue sections shown in the picture. Step 1: Add red and yellow: $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$. Step 2: Blue is the remainder: $\frac{4}{4} - \frac{3}{4} = \frac{1}{4}$.
16) **The correct answer is A, D.** 4.MD.C.7 B is wrong ($125° - 50° = 75°$). C is wrong ($360° \div 4 = 90°$). E is wrong ($90° - 30° = 60°$).
17) **Choice C is correct.** 4.NBT.A.3 We're rounding to the nearest thousand. Look at the hundreds digit: 9. Since $9 \geq 5$, we round UP! The thousands digit changes from 4 to 5, so the answer is **65,000**. ✓
18) **Choice B is correct.** 4.G.A.2 A parallelogram has two pairs of opposite sides that are parallel to each other. This is the defining characteristic that distinguishes a parallelogram from trapezoids and other quadrilaterals. The answer is **B**.
19) **Choice B is correct.** 4.NF.B.4 On the number line, each jump moves forward by $\frac{1}{2}$. Four jumps starting from 0 land us at 2, showing $4 \times \frac{1}{2} = 2$.
20) **Choice C is correct.** 4.MD.B.4 The smallest measurement is $\frac{2}{8}$ and the largest is $\frac{6}{8}$. The range is $\frac{6}{8} - \frac{2}{8} = \mathbf{\frac{4}{8}}$.
21) **Choice A is correct.** 4.NBT.B.6 Divide: $2 \div 7 = 0$ r2, bring down the 8 to get $28 \div 7 = 4$, bring down the 4 to get $4 \div 7 = 0$ r4, bring down the 9 to get $49 \div 7 = 7$. The answer is **407**.
22) **Choice C is correct.** 4.MD.A.3 Poster area = $16 \times 10 = 160$ sq in.
23) **Choice A is correct.** 4.NF.C.5 The fraction $\frac{45}{100}$ means 45 hundredths, which equals 0.45.
24) **Choice D is correct.** 4.NBT.B.5 Use the distributive property: $29 \times (10 + 2) = 290 + 58 = \mathbf{348}$.
25) **Choice B is correct.** 4.MD.C.5 At 3 o'clock, the clock hands form a perfect right angle (90 degrees).
26) **The correct answer is** $4\frac{8}{10}$. 4.NF.B.3 Add the whole parts to get 4 and the fraction parts to get $\frac{8}{10}$. The answer is $\mathbf{4\frac{8}{10}}$.

Ahoy, Math Sailor!

◇ You sailed through 6 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

⋆ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ⋆

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 6 practice tests. You will reach safe harbor!

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

Jay Daie

Your Math Captain

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

Ideal 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 IN MATH. SUCCESS FOR LIFE.

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.

Master Key Concepts
Reinforce important skills aligned with grade-level standards.

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 & Equivalent Fractions
- Decimals
- Geometry & Measurement
- Perimeter & Area
- Data, Graphs & Line Plots
- Patterns & Algebraic Thinking
- And More!

Visit **testinar.com/math4** for additional Grade 4 math resources and practice materials.

MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.

BUILT FOR LEARNING. DESIGNED FOR SUCCESS.

- Builds Confidence Through Practice
- Strengthens Critical Thinking & Problem Solving
- Encourages Independent Learning
- Prepares Students for Test Day Success