

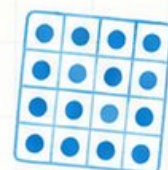
10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



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

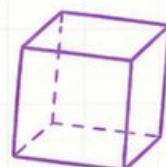


Tennessee

TCAP



GRADE 4



MATH

PRACTICE TESTS

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

$$\begin{array}{r} 476 \\ + 258 \\ \hline 734 \end{array}$$



10 Tennessee TCAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Volunteer State math route

This book gives you ten 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?

Ten tests, 300 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Tennessee book.
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.

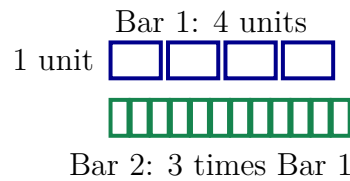


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& answers

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1) Look at the bar model. Both bars show a total of how much?



- A. 4 units
- B. 8 units
- C. 12 units
- D. 16 units
- 2) Two cities are separated by a distance. City A to City C is 52,847 meters. City A to City B is 18,956 meters. How much farther is it from City A to City C than from City A to City B?
- A. 33,891 meters
- B. 33,791 meters
- C. 34,891 meters
- D. 32,891 meters
- 3) A pattern of numbers follows the rule “add the previous two numbers.” Starting with 3 and 4, what is the 5th term?
- A. 12
- B. 14
- C. 16
- D. 18
- 4) At a bake sale, $\frac{7}{12}$ of the cookies were sold in the morning. In the afternoon, $\frac{3}{12}$ more were sold. How much remains unsold?
- A. $\frac{4}{12}$
- B. $\frac{10}{12}$
- C. $\frac{2}{12}$
- D. $\frac{12}{12}$



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5) Which part of an angle is the point where the two rays meet?

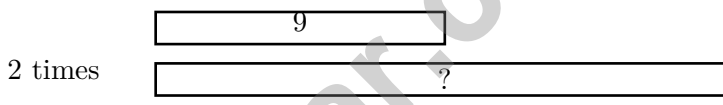
- A. The side C. The arc
 B. The vertex D. The exterior

6) A rectangular yard is 20 feet long and 15 feet wide. How much fencing is needed to go around it?

- A. 35 ft C. 300 ft
 B. 70 ft D. 140 ft

7) Isha ran 0.86 miles. Patel ran 0.68 miles. Who ran farther?

- A. Isha (0.86 miles) C. They ran the same distance
 B. Patel (0.68 miles) D. Patel ran much farther

8) 

Naomi has 9 ribbons. Her grandmother has 2 times as many ribbons as Naomi. How many ribbons does her grandmother have?

- A. 11 C. 20
 B. 16 D. 18

9) A store has 96 ounces of dried apples to pack into bags of 8 ounces each. How many bags are needed?

- A. 8 bags C. 88 bags
 B. 12 bags D. 104 bags



10) Which fraction equals thirty-five hundredths?

A. $\frac{35}{10}$

B. $\frac{3}{5}$

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

D. $\frac{53}{100}$

11) Ava reads 8 pages a day for 12 days. Noah reads 10 pages a day for 9 days. How many more pages does Ava read than Noah?

 A. 2 pages B. 18 pages C. 26 pages D. 6 pages

12) An angle measures 120° and is divided into three equal parts. What is the measure of each part?

 A. 30° B. 40° C. 60° D. 120°

13) Which number rounds to 40,000 when rounded to the nearest thousand?

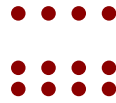
 A. 39,250 B. 40,750 C. 40,499 D. 40,501

14) Select the **TWO** correct answers.

 A. If an angle turns through 72 one-degree angles, it measures 72° . B. A straight angle is made up of 270 one-degree angles. C. A full circle turns through 360 one-degree angles and measures 360° . D. An angle containing 30 one-degree angles measures 60° . E. If a right angle contains 90 one-degree angles, it measures 45° .

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Alex



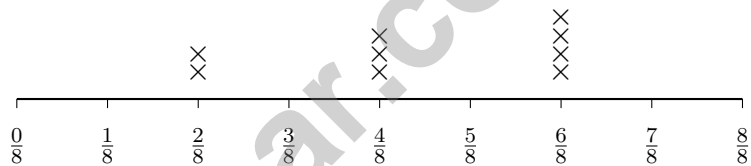
Claire

1)

Alex has 4 marbles. Claire has 2 times as many marbles as Alex. How many marbles does Claire have?

 A. 6 C. 10 B. 12 D. 8

2) A line plot shows data in eighths:



If all measurements at $\frac{6}{8}$ inch are removed, how many X marks remain on the line plot?

 A. 3 C. 5 B. 4 D. 63) What is $\frac{6}{10} - \frac{1}{10}$? A. $\frac{5}{10}$ C. $\frac{5}{20}$ B. $\frac{7}{10}$ D. $\frac{1}{10}$ 

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4) A clothing store received 2,736 buttons in a shipment. They sew an equal number of buttons on 6 different shirts. How many buttons go on each shirt?

A. 454

C. 456

B. 444

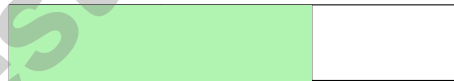
D. 434

5) An angle is labeled 77° . What is its measure in degrees?

6) In 45,328, how many thousands are there?

7) What fraction of the bar is shaded?

Fraction Bar



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

C. $\frac{2}{3}$

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

D. $\frac{1}{3}$



- 1) A string is cut into 2 equal pieces. Both pieces are used. Which sum of unit fractions shows this?
- A. $\frac{1}{2} + \frac{1}{2}$ C. $\frac{2}{2}$
 B. $\frac{1}{2}$ D. $\frac{1}{1}$
- 2) A bakery makes 6 batches of cookies. Each batch has 25 cookies. They box the cookies in groups of 8 per box. How many complete boxes can they make?
- A. 19 C. 20
 B. 17 D. 18
- 3) A container holds 2 kilograms of rice. How much rice is in 7 identical containers?
- A. 5 kg C. 14 kg
 B. 9 kg D. 12 kg
- 4) The population of City A is 47,892. City B's population is 23,456 less than City A. What is City B's population?
- A. 24,436 C. 25,436
 B. 24,536 D. 24,346
- 5) Diego says that $\frac{8}{10} = 0.08$. Is he correct?
- A. Yes, $\frac{8}{10} = 0.08$ C. No, $\frac{8}{10} = 80.0$
 B. No, $\frac{8}{10} = 0.8$ D. No, $\frac{8}{10} = 8.0$



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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

- Choice D is correct.** (4.OA.A.1) Step 1: Bar 2 is 3 times Bar 1, so $\text{Bar } 2 = 4 \times 3 = 12$ units. Step 2: add both bars for the total: $4 + 12 = 16$ units.
- Choice A is correct.** (4.NBT.A.3) To find how much farther, we subtract. $52,847 - 18,956 = 33,891$ meters.
- Choice D is correct.** (4.OA.B.4) Add the two previous terms: Start with 3, 4. Then $3 + 4 = 7$, $4 + 7 = 11$, $7 + 11 = 18$. The 5th term is **18**.
- Choice C is correct.** (4.NF.B.3) At the bake sale, cookies were sold over two time periods. Step 1: Add morning and afternoon sales: $\frac{7}{12} + \frac{3}{12} = \frac{10}{12}$. Step 2: Find what remains unsold: $\frac{12}{12} - \frac{10}{12} = \frac{2}{12}$.
- Choice B is correct.** (4.MD.C.5) The vertex is the point where the two rays of an angle meet.
- Choice B is correct.** (4.MD.A.3) Yard perimeter = $2(20) + 2(15) = 40 + 30 = 70$ ft.
- Choice A is correct.** (4.NF.C.5) Compare the tenths place: $8 > 6$, so $0.86 > 0.68$. Isha ran farther.
- Choice D is correct.** (4.OA.A.2) The bar model shows the grandmother's bar is 2 equal pieces, each the size of Naomi's 9 ribbons. Multiply: $2 \times 9 = 18$ ribbons.
- Choice B is correct.** (4.MD.A.2) There are 96 ounces of dried apples. Each bag holds 8 ounces. Divide: $96 \div 8 = 12$ bags. He needs **12** bags.
- Choice C is correct.** (4.NF.C.5) The phrase "thirty-five hundredths" means $\frac{35}{100}$, which you write as a decimal: 0.35.
- Choice D is correct.** (4.OA.A.3) Three steps! Step 1: Ava's total: $8 \times 12 = 96$ pages. Step 2: Noah's total: $10 \times 9 = 90$ pages. Step 3: "how many more" is a subtraction: $96 - 90 = 6$ pages.
- Choice B is correct.** (4.MD.C.7) Split the angle equally among all parts: $120^\circ \div 3 = 40^\circ$.
- Choice C is correct.** (4.NBT.A.3) We're rounding to the nearest thousand, so check the hundreds digit of each. Option C (40,499): hundreds digit is $4 < 5$, rounds DOWN to **40,000**. ✓ Option A (39,250): hundreds digit $2 < 5$, rounds DOWN to 39,000. Option B (40,750): hundreds digit $7 \geq 5$, rounds UP to 41,000. Option D (40,501): hundreds digit $5 \geq 5$, rounds UP to 41,000.
- The correct answer is A, C.** (4.MD.C.5) Statement A is correct: **72** one-degree angles measure **72°**. Statement C is correct: a full circle measures **360°** with **360** one-degree angles. Statement B is wrong (straight angle is 180°). Statement D is wrong (30 one-degree angles is 30°, not 60°). Statement E is wrong (right angle is 90°, not 45°).
- Choice B is correct.** (4.G.A.1) Perpendicular lines are special because they always cross at exactly 90° — a perfect right angle. That little square symbol shows you where they meet.
- Choice B is correct.** (4.G.A.3) A leaf usually has a center vein running from tip to stem, with identical bumpy edges on both left and right. A vertical line down that center is a perfect line of symmetry. The answer is **1** line of symmetry.
- The correct answer is $1\frac{3}{5}$.** (4.NF.B.3) One whole is $\frac{5}{5}$, leaving $8 - 5 = 3$ more fifths. So $\frac{8}{5} = 1\frac{3}{5}$ ✓.
- Choice A is correct.** (4.NF.B.4) Each ribbon is $\frac{1}{6}$ yard. With 4 ribbons, the total length is $4 \times \frac{1}{6} = \frac{4}{6}$ yard.
- The correct answer is same amount.** (4.NF.A.1) Check if they're equivalent: $\frac{2}{6}$ simplifies by dividing both by 2 to get $\frac{1}{3}$. Same fraction, so they ate the same!
- Choice D is correct.** (4.NBT.A.2) From the chart: thousands: $9 \rightarrow 9,000$, hundreds: 0 (omit), tens: $4 \rightarrow 40$, ones: $2 \rightarrow 2$ ✓
- Choice A is correct.** (4.NBT.B.5) Multiply by parts: $13 \times (60 + 4) = 780 + 52 = 832$ books.
- Choice C is correct.** (4.NF.B.3) A difference of 0 means the fractions are identical. A: $\frac{4}{8} - \frac{3}{8} = \frac{1}{8}$ (not 0). B: $\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$ (not 0). C: $\frac{3}{5} - \frac{3}{5} = 0$ ✓. D: $\frac{5}{12} - \frac{7}{12} =$ negative (not 0).
- Choice D is correct.** (4.OA.B.4) Skip-count by 6 until you pass 50: 6, 12, 18, 24, 30, 36, 42, 48. The next would be 54 (too big), so we stop at 48. Count: **8** multiples. *Quick check:* $50 \div 6 \approx 8$. ✓
- 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 **$3\frac{7}{8}$** .
- Choice C is correct.** (4.MD.B.4) Look at the line plot where $\frac{2}{4}$ inch is marked. Count the X marks stacked above that tick: we see **3** marks.
- Choice D is correct.** (4.NBT.B.6) Use long division: $20 \div 7 = 2$ r6, bring down the 4 to get $64 \div 7 = 9$ r1, bring down the 7 to get $17 \div 7 = 2$ r3. The remainder is **3**.



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A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 10 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 10 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. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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