

9

Tennessee TCAP

GRADE 3 MATH PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE,
WORD PROBLEMS, AND ANSWER KEY

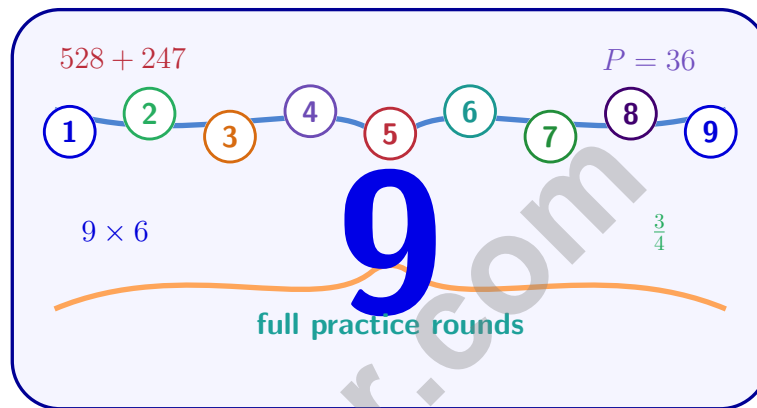


10

FOR THE COMPREHENSIVE ASSESSMENT PROGRAM

9 Tennessee TCAP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 3 practice rounds with operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Tennessee, Start Your Nine-Round Math Quest

A brave Grade 3 journey from first try to confident finish

This book gives you nine chances to practice like a thoughtful Tennessee TCAP test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly.

Tennessee has music streets, mountain overlooks, river bends, rolling farms, and lively classrooms, where careful steps matter. Strong math follows that same idea: model what the question asks, choose a useful tool, show the work, and reason before moving on.

Your Tennessee Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

Nine rounds is not about rushing. It is about building a math habit that stays strong.

How to Use This Book

A nine-session routine for clear Tennessee review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

Good rhythm: Test one day, review the next day, then take the next test when your corrections feel clear. In Tennessee, that steady routine turns nine tests into one organized prep plan.



What Is Inside the Nine Tests?

Mixed Grade 3 practice with TCAP support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A Tennessee standards reference and standard-code boxes in explanations

Why mixed practice helps: Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.



Scan me!
For more practice
& answers

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1) Round 589 to the nearest 100.

- A. 500 C. 590
 B. 580 D. 600

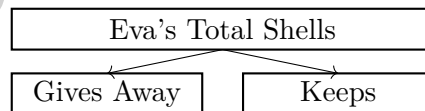
2) Noah’s rectangular bedroom floor is 10 feet long and 8 feet wide. Calculate the area of his bedroom floor.



3) On a number line from 0 to 1 with 8 equal parts, which tick mark is at $\frac{7}{8}$?



- A. The fifth tick C. The seventh tick
 B. The sixth tick D. The eighth tick
- 4) Eva collects 5 bags with 8 shells in each bag. She gives away 12 shells to her friend. How many shells does Eva keep?



$5 \times 8 = 40$ total
 Subtract 12

- A. 12 C. 28
 B. 24 D. 40



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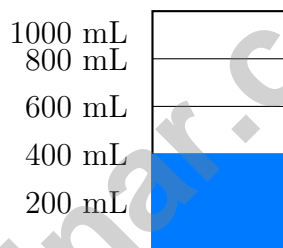


Which symbol makes this true? $\frac{2}{4}$ _____ $\frac{2}{2}$

- A. <
- C. =
- B. >
- D. ≠

6) Eli has two identical smoothie cups. Cup 1 is $\frac{3}{4}$ full. Cup 2 is $\frac{6}{8}$ full. Which has more smoothie?

- A. Cup 1 has more.
- C. They have the same amount.
- B. Cup 2 has more.
- D. Cannot tell.



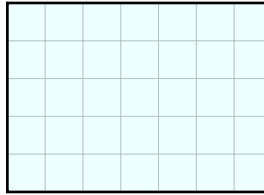
7) Water in Pitcher

The pitcher shows 400 mL of water. Ben adds 600 mL more. How much water is in the pitcher now?

- A. 600 mL
- C. 1000 mL
- B. 800 mL
- D. 1200 mL

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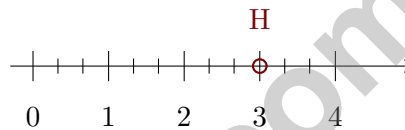
8) This grid shows a rectangle.



What is the area in square units?

- A. 25 sq units C. 35 sq units
 B. 30 sq units D. 40 sq units

9)



The number line from 0 to 4 is divided into thirds. Point H is at the whole number 3. How many thirds from 0 to reach 3?

- A. $\frac{3}{3}$ C. $\frac{9}{3}$
 B. $\frac{6}{3}$ D. $\frac{12}{3}$

10) Which fraction is equivalent to $\frac{3}{4}$?

- A. $\frac{3}{8}$ C. $\frac{6}{8}$
 B. $\frac{4}{3}$ D. $\frac{1}{2}$

11) Which shape is always a rhombus, but NOT always a square?

- A. Rectangle C. Trapezoid
 B. Rhombus with angles that are not right angles D. Pentagon

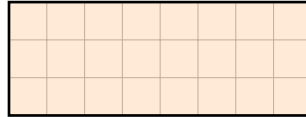


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1) A rectangle has length 8 cm and width 5 cm. What is its perimeter?

- A. 13 cm C. 40 cm
 B. 26 cm D. 80 cm

2) This grid shows a rectangle.



What is the area in square units?

- A. 11 sq units C. 20 sq units
 B. 24 sq units D. 16 sq units

3) Look at this partial multiplication table. What number is missing?

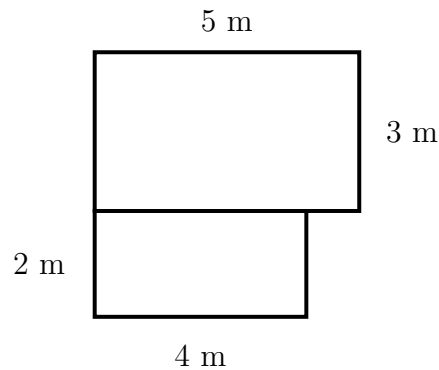
×	6	7	8	9
5	30	35	40	45
6	36	42	48	?

What is 6×9 ?

- A. 48 C. 54
 B. 52 D. 56



- 4) Ben's room is shaped like an L. One part is 5 m by 3 m. The other part is 4 m by 2 m. What is the total area?



- A. 15 sq m C. 8 sq m
 B. 23 sq m D. 120 sq m
- 5) A chef estimates the mass of three items before weighing them: an apple (about 150 g), a bread roll (about 80 g), and a pat of butter (about 20 g). Which is the BEST estimate of the total mass?
- A. 50 g C. 250 g
 B. 150 g D. 400 g
- 6) Ben has two identical containers. Container X is $\frac{2}{3}$ full of water. Container Y is $\frac{4}{6}$ full of water. Which container has more water?
- A. Container X has more. C. They have the same amount.
 B. Container Y has more. D. The containers are different sizes.



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& answers

1) A number line from 0 to 1 has 4 tick marks dividing it equally (not counting 0 and 1). Each part is $\frac{1}{5}$. What is true?

- A. There are 4 equal parts C. There are 6 equal parts
 B. There are 5 equal parts D. There are 3 equal parts

2) Noah has a watering can that holds 3 liters. He pours out 1500 mL to water the plants. How many milliliters of water are left in the can?

- A. 1000 mL C. 2000 mL
 B. 1500 mL D. 3000 mL

3) Look at the bar graph. Each mark represents 10 apples. How many apples does Ben have?



- A. 20 C. 30
 B. 25 D. 40

4) Which repeated addition equals $9 + 9 + 9 + 9$?

- A. $3 \times 9 = 27$ C. $5 \times 9 = 45$
 B. $9 \times 9 = 81$ D. $4 \times 9 = 36$



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& answers

5) Round 608 to the nearest 10.

A. 600

C. 610

B. 608

D. 700

6) $\frac{2}{3} = \frac{?}{6}$. What is the missing numerator?

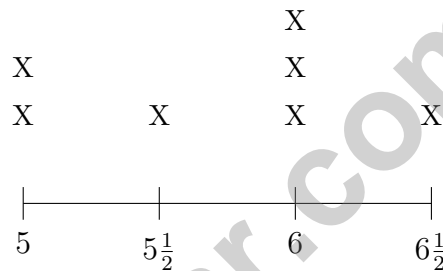
A. 3

C. 5

B. 4

D. 6

7) Ava measured the heights of plant stems in inches using halves: 5, $5\frac{1}{2}$, 6, $6\frac{1}{2}$.



How many plant stems are 6 inches or taller?

A. 2

C. 4

B. 3

D. 5

8) Noah has 18 crayons and 2 friends. He divides the crayons equally among his friends and himself. How many crayons does each person get?

A. 9

C. 20

B. 16

D. 6



Practice Test Answer Keys

How to use this section with a Grade 3 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.** **(3.NBT.A.1)** The tens digit is 8. Since $8 \geq 5$, round up: 589 rounds to 600.
- The correct answer is 80 square feet.** **(3.MD.C.8)** Area = length \times width, so $10 \times 8 = 80$ square feet.
- Choice C is correct.** **(3.NF.A.2)** $\frac{7}{8}$ means 7 out of 8 equal parts, which is the seventh tick mark from 0.
- Choice C is correct.** **(3.OA.D.8)** Step 1: Total shells: $5 \times 8 = 40$ shells. Step 2: Subtract given away: $40 - 12 = 28$ shells kept.
- Choice A is correct.** **(3.NF.A.3)** Two halves equals 1. Two fourths is less than 1. So $\frac{2}{4} < \frac{2}{2}$.
- Choice C is correct.** **(3.NF.A.2)** $\frac{3}{4} = \frac{6}{8}$ because both represent three-fourths of the cup.
- Choice C is correct.** **(3.MD.A.2)** Add: $400 + 600 = 1000$ mL.
- Choice C is correct.** **(3.MD.C.6)** $7 \times 5 = 35$ unit squares.
- Choice C is correct.** **(3.NF.A.2)** Point H at the whole number 3 is nine thirds from 0: $\frac{9}{3} = 3$.
- Choice C is correct.** **(3.NF.A.3)** If you divide a figure into 4 parts and shade 3, then divide each part in half, you get 8 parts with 6 shaded. So $\frac{3}{4} = \frac{6}{8}$ because $\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$.
- Choice B is correct.** **(3.G.A.1)** A rhombus with angles that are not right angles has 4 equal sides but no right angles, so it is a rhombus but not a square.
- Choice A is correct.** **(3.NF.A.1)** When you count three unit fractions of $\frac{1}{6}$, you add: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6}$.
- Choice D is correct.** **(3.OA.B.5)** $3 \times 2 = 6$ and $3 \times 1 = 3$, so $6 + 3 = 9$. Also $3 \times 3 = 9$.
- Choice C is correct.** **(3.OA.C.7)** $8 \times 7 = 56$. Think $8 \times 7 = 8 \times (5 + 2) = 40 + 16 = 56$.
- Choices A and C are correct.** **(3.MD.D)** A is correct: multiply to find the first rectangle's area. C is correct: add the areas of all rectangles to get the total. B demonstrates the computation but C shows the critical additive step. D is wrong (do not multiply all dimensions together). E is wrong (rectangles can be any size as long as they don't overlap; the additive principle still holds).
- Choice B is correct.** **(3.G.A.2)** 12 sixths divided into groups of 6 sixths (one whole) gives 2 wholes. $12 \div 6 = 2$.
- Choice D is correct.** **(3.OA.D.9)** Each product is made by multiplying a number by itself: 1×1 , 2×2 , 3×3 , and so on. That is the pattern on this diagonal.
- Choice D is correct.** **(3.MD.C.8)** Square: $4 \times 4 = 16$ square units.
- Choice D is correct.** **(3.OA.B.6)** $63 \div 9 = \square$ means $\square \times 9 = 63$. Since $7 \times 9 = 63$, the answer is 7.
- The correct answer is 4 books.** **(3.MD.B.3)** Maya: $7 \times 2 = 14$. Leo: $5 \times 2 = 10$. Fewer: $14 - 10 = 4$.
- Choice B is correct.** **(3.G.A.2)** Two shaded parts out of eight equal parts is $\frac{2}{8}$.
- Choice A is correct.** **(3.NF.A.1)** Divided in half means 2 equal parts. The first tick is at the unit fraction $\frac{1}{2}$.
- Choice B is correct.** **(3.NF.A.3)** $\frac{4}{6}$ and $\frac{2}{3}$ both equal two-thirds of a whole.
- Choice D is correct.** **(3.NBT.A.1)** The minute hand points to 39 minutes, between 7 and 8. The hour hand is between 7 and 8, closer to 8. The time is 7 : 39.
- Choice B is correct.** **(3.NBT.A.3)** $4 \times 70 = 4 \times 7 \times 10 = 28 \times 10 = 280$. Marcus added two zeros instead of one.
- Choice A is correct.** **(3.OA.A.1)** Three packs with eight erasers each is 3 groups of 8, which equals $3 \times 8 = 24$ or $8 \times 3 = 24$. Option B is the addition misconception. Option C uses only one factor. Option D is incomplete (only two groups).
- Choice D is correct.** **(3.OA.A.4)** Divide: $40 \div 5 = 8$ apples per group.
- The correct answer is 36 square inches.** **(3.MD.C.7)** A square has equal sides. Area = $6 \times 6 = 36$ square inches. You can also add: $6 + 6 + 6 + 6 + 6 + 6 = 36$ (six rows of six).
- Choice C is correct.** **(3.MD.C.6)** If each unit square is 1 cm by 1 cm, then 7 unit squares of 1 cm fit along a 7 cm side.
- Choice A is correct.** **(3.OA.A.2)** Division and multiplication are inverse operations. Since $2 \times 5 = 10$, then $10 \div 2 = 5$.



Cheer Squad Final Pep Talk

Hi, Math Star!

◇ 9 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 9 times. That's real confidence. It is not pretend! ★

Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

Cheer tip: on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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

Jay Daie

Your Math Cheerleader

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