

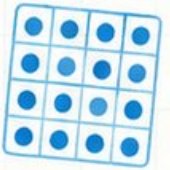
# 10

$$7 \times 8 = 56$$

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



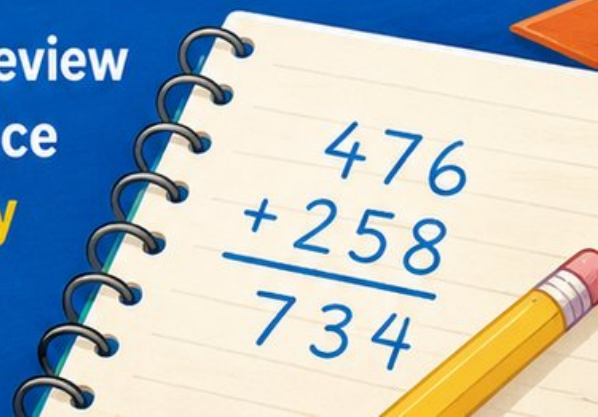
$$\frac{3}{4}$$



# Texas STAAR GRADE 4 MATH

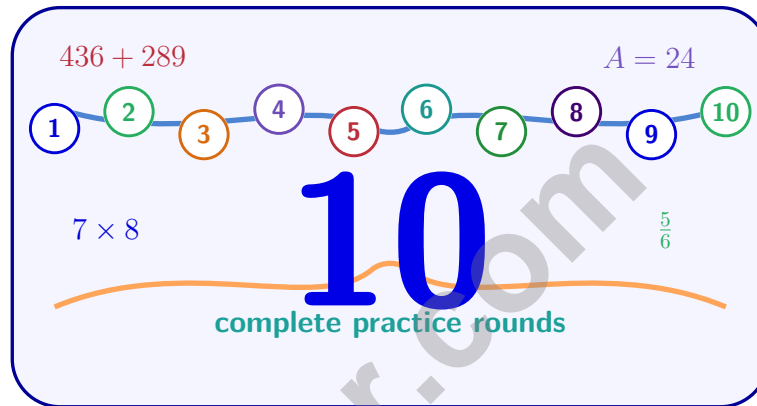
## PRACTICE TESTS

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



# 10 Texas STAAR Grade 4 Math Practice Tests

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



Ten complete 30-question Grade 4 practice rounds for STAAR, built around wide ranch roads, city lights, and bold math stamina, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Texas Math Explorer!

Ten steady rounds on the Lone Star math route

This book gives you ten full Grade 4 practice tests for STAAR. Each round uses wide ranch roads, city lights, and bold math stamina to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Texas 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 Texas STAAR 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 Lone Star 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 STAAR 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 Texas 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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1) A rectangle has a length of 7 cm and a width of 5 cm. What is its area?

A. 35 sq cm

C. 12 sq cm

B. 24 sq cm

D. 49 sq cm

2) Ava has read  $\frac{7}{10}$  of her book. She read  $\frac{3}{10}$  on Monday and the rest on Tuesday. How much did she read on Tuesday?

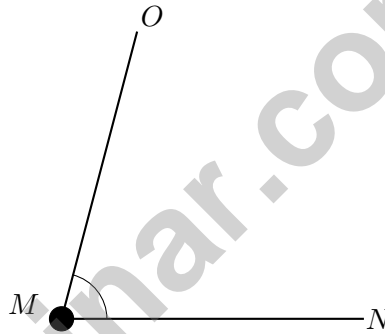
A.  $\frac{2}{10}$

C.  $\frac{5}{10}$

B.  $\frac{4}{10}$

D.  $\frac{10}{10}$

3)



The angle  $\angle NMO$  is shown. How would you name this angle differently?

A.  $\angle NOM$

C.  $\angle OMN$

B.  $\angle ONM$

D.  $\angle MOM$

4) 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



5) Ming has a ribbon that is  $\frac{5}{8}$  meter long. She cuts off  $\frac{3}{8}$  meter. How much ribbon remains?

A.  $\frac{2}{8}$  meter

B.  $\frac{8}{16}$  meter

C.  $\frac{3}{8}$  meter

D.  $\frac{8}{8}$  meter

6) Which fraction equals  $\frac{3}{4}$ ?

A.  $\frac{6}{8}$

B.  $\frac{6}{12}$

C.  $\frac{2}{5}$

D.  $\frac{5}{8}$

7) What is  $4,205 \div 5$ ?

A. 841

B. 831

C. 821

D. 851

8) In the number 82,345, what digit is in the thousands place?

A. 8

B. 4

C. 3

D. 2

9) What is  $50,000 - 23,456$ ?

A. 26,544

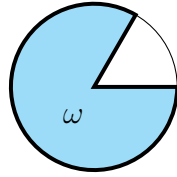
B. 27,544

C. 26,444

D. 27,444



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10)

The unshaded (white) sector from the diagram measures  $60^\circ$ . What is the measure of the shaded angle  $\omega$ ?

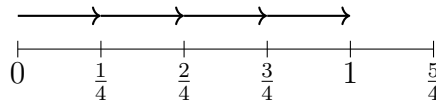
- A.  $240^\circ$ 
 C.  $300^\circ$   
 B.  $270^\circ$ 
 D.  $330^\circ$

11) A letter has exactly one line of symmetry. How many lines of symmetry does it have?

12) A recipe is for 2 people and uses  $\frac{3}{4}$  cup of oil. How much oil is needed if you make the recipe for 8 people (4 times the recipe)?

- A.  $\frac{12}{4}$  cups (or 3 cups)
  C.  $\frac{8}{4}$  cups (or 2 cups)  
 B.  $\frac{4}{3}$  cups
  D.  $\frac{12}{16}$  cup

13) Use the number line to find  $4 \times \frac{1}{4}$ .



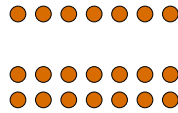
- A.  $\frac{1}{4}$ 
 C.  $\frac{2}{4}$   
 B.  $\frac{4}{4}$  or 1
  D.  $\frac{4}{16}$

1) If you have 8 copies of  $\frac{1}{12}$ , what fraction do you have?

- A.  $\frac{8}{12}$   
 B.  $\frac{1}{96}$

- C.  $\frac{12}{8}$   
 D.  $\frac{1}{8}$

Paige



Quinn

2)

Paige has 7 bookmarks. Quinn has 2 times as many bookmarks as Paige. How many bookmarks does Quinn have?

3) How many degrees less than  $90^\circ$  is  $45^\circ$ ?



4) Which expanded form does NOT represent 567,089?

- A.  $500,000 + 60,000 + 7,000 + 80 + 9$      C.  $500,000 + 60,000 + 7,089$   
 B.  $500,000 + 67,089$      D.  $560,000 + 7,980$

5) A toy store has 45 toy cars. They receive 15 more cars. Then they sell 20 cars. How many cars are left?

- A. 30     C. 25  
 B. 35     D. 40

6) Which fraction is in simplest form and equivalent to  $\frac{6}{8}$ ?

- A.  $\frac{3}{4}$      C.  $\frac{4}{5}$   
 B.  $\frac{2}{3}$      D.  $\frac{5}{6}$

7) How many unit fractions of  $\frac{1}{9}$  make  $\frac{5}{9}$ ?

8) A container of juice has  $\frac{9}{10}$  liter. After serving some drinks,  $\frac{4}{10}$  liter is left. How much juice was served?

- A.  $\frac{5}{10}$      C.  $\frac{4}{10}$   
 B.  $\frac{13}{10}$      D.  $\frac{1}{10}$

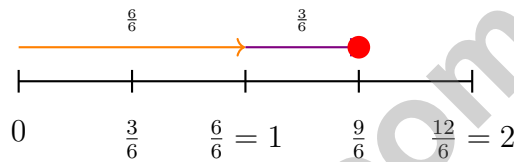


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- 1) The fraction bar below is divided into equal parts. How many parts are shaded, and what fraction do they represent?



- A. 1 part;  $\frac{1}{5}$ 
 C. 4 parts;  $\frac{4}{5}$   
 B. 2 parts;  $\frac{2}{5}$ 
 D. 5 parts;  $\frac{5}{5}$
- 2) Show  $\frac{9}{6}$  decomposed on a number line:



Which shows the jumps in order?

- A.  $\frac{6}{6} + \frac{3}{6} = \frac{9}{6}$ 
 C.  $\frac{3}{6} + \frac{5}{6} = \frac{8}{6}$   
 B.  $\frac{1}{3} + \frac{4}{3} = \frac{5}{3}$ 
 D.  $1 + \frac{1}{3} = \frac{4}{3}$
- 3) Is  $\frac{2}{8}$  greater than, less than, or equal to  $\frac{1}{4}$ ?

- A. Greater than
  C. Equal to  
 B. Less than
  D. Cannot determine
- 4) In the number 4,449, which digit appears in both the thousands and hundreds places?
- A. 1
  C. 2  
 B. 9
  D. 4





## 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 A is correct.** **4.5(C)** Area =  $7 \times 5 = 35$  sq cm.
- 2) **Choice B is correct.** **4.3(A)** Ava read  $\frac{7}{10}$  total. Monday was  $\frac{3}{10}$ , so Tuesday must be:  $\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$  ✓.
- 3) **Choice C is correct.** **4.7(E)** An angle can be named in reverse order, but the vertex must stay in the middle. Since  $M$  is the vertex,  $\angle NMO$  and  $\angle OMN$  name the same angle.
- 4) **Choice A is correct.** **4.3(A)** 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.
- 5) **Choice A is correct.** **4.3(A)** Ming's ribbon started at  $\frac{5}{8}$  meter. She cut off  $\frac{3}{8}$  meter, leaving  $5 - 3 = 2$  eighths:  $\frac{2}{8}$  meter.
- 6) **Choice A is correct.** **4.3(B)** Multiply both the numerator and denominator by 2:  $\frac{3}{4} = \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$ .
- 7) **Choice A is correct.** **4.4(E)** Long division:  $4 \div 5 = 0$  r4, bring down the 2 to get  $42 \div 5 = 8$  r2, bring down the 0 to get  $20 \div 5 = 4$ , bring down the 5 to get  $5 \div 5 = 1$ . The quotient is **841**.
- 8) **Choice D is correct.** **4.2(B)** Counting from the right: ones, tens, hundreds, thousands. The thousands digit is 2 ✓
- 9) **Choice A is correct.** **4.4(A)** Subtract from 50,000 using regrouping. The answer is **26,544**.
- 10) **Choice C is correct.** **4.7(E)** The unshaded sector is  $60^\circ$ , so the shaded region is the rest:  $360^\circ - 60^\circ = 300^\circ$ .
- 11) **The correct answer is 1.** **4.6(B)** The question tells us the letter has exactly one line of symmetry, so the answer is 1.
- 12) **Choice A is correct.** **4.9(B)** The recipe is for 2 people and uses  $\frac{3}{4}$  cup of oil. Making it for 8 people (4 times the recipe) needs  $4 \times \frac{3}{4} = \frac{12}{4} = 3$  cups.
- 13) **Choice B is correct.** **4.9(B)** On the number line, we make 4 jumps of  $\frac{1}{4}$  each, starting at 0 and landing at 1. So  $4 \times \frac{1}{4} = \frac{4}{4} = 1$ . The answer is 1.
- 14) **The correct answer is A, C.** **4.9(B)** A counts by halves:  $\frac{2}{2} = 2 \times \frac{1}{2}$  checkmark. C counts by halves:  $\frac{3}{2} = 3 \times \frac{1}{2}$  checkmark. The others don't fit.
- 15) **Choice C is correct.** **4.5(A)** Two steps! Step 1: equal groups means divide:  $36 \div 3 = 12$  coins in the group Noah keeps. Step 2: subtract what he spends:  $12 - 5 = 7$  coins left.
- 16) **Choice A is correct.** **4.3(A)** Check choice A:  $2\frac{1}{2} + 2 = 4\frac{1}{2}$ . Correct! Add wholes:  $2 + 2 = 4$ , and keep the fraction:  $\frac{1}{2}$ . The others give different answers: B equals 3, C equals 5, D equals  $3\frac{1}{2}$ .
- 17) **Choice B is correct.** **4.3(C)** One whole column out of 10 is shaded, so  $\frac{1}{10} = \frac{10}{100}$ , which is 10 hundredths.
- 18) **Choice B is correct.** **4.9(B)** The numerator is 8 and the denominator is 10. This means we have 8 copies of  $\frac{1}{10}$ , which we write as  $8 \times \frac{1}{10}$ .
- 19) **Choice A is correct.** **4.3(E)** Count the occurrences:  $\frac{1}{4}$  oz appears 3 times (the most!),  $\frac{2}{4}$  oz once, and  $\frac{3}{4}$  oz once. So  $\frac{1}{4}$  oz has the tallest stack.
- 20) **Choice D is correct.** **4.4(E)** The digit 8 in the hundreds place is worth 800. Moved to the thousands place, it's worth 8,000. The increase is  $8,000 - 800 = 7,200$ . ✓
- 21) **The correct answer is 6.** **4.3(A)**  $\frac{6}{7}$  means 6 equal pieces, each  $\frac{1}{7}$ . So the answer is 6 unit fractions of  $\frac{1}{7}$ .
- 22) **Choice B is correct.** **4.8(B)** Check each option. A: 2 m = 200 cm, not 2 cm. B: 5 feet =  $5 \times 12 = 60$  inches. Correct! C: 3 L = 3,000 mL, not 30 mL. D: 4 pounds =  $4 \times 16 = 64$  ounces, not 48 oz. The answer is **B**.
- 23) **Choice D is correct.** **4.4(E)** 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:*  $50 \div 6 \approx 8$ . ✓
- 24) **Choice B is correct.** **4.3(B)** On the number line,  $\frac{1}{2}$  is clearly marked between  $\frac{1}{4}$  and  $\frac{3}{4}$ .
- 25) **Choice D is correct.** **4.2(D)** We're rounding to the nearest hundred. Look at the tens digit: 4. Since  $4 < 5$ , we round DOWN. The hundreds digit stays at 3, so the answer is **9,300**. ✓
- 26) **The correct answer is 36.** **4.7(E)** Split the straight angle equally into five parts:  $180^\circ \div 5 = 36^\circ$ .



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## Hi, Brave Explorer!

◇ What a trip! You explored 10 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 10 tests, you learned a lot. You are a stronger math explorer now. ★

### Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

**Explorer tip:** on test day, use the tools you packed. You have the skills. You are ready!

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 Trail Guide

# 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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