

# 4

# Texas STAAR



GRADE 4

# MATH

## PRACTICE TESTS


 5 FULL-LENGTH PRACTICE TESTS

 STANDARDS-ALIGNED REVIEW

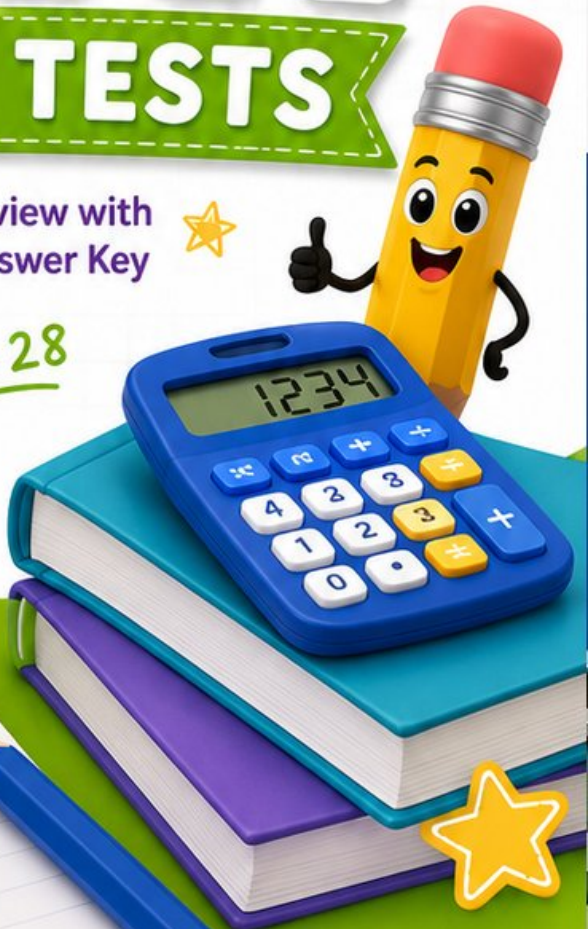
 MIXED PRACTICE QUESTIONS

 ANSWER KEY INCLUDED

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

  $4 \times 7 = 28$   
 $36 \div 9 = 4$

  
$$\begin{array}{r} 125 \\ + 87 \\ \hline 212 \end{array}$$

  
A smiling cartoon pencil character with arms and legs stands next to a blue calculator displaying '1234'. The calculator sits on a stack of three books (blue, purple, and green). A blue pencil lies on the green book. A yellow star is in the bottom right corner.

# 4 Texas STAAR Grade 4 Math Practice Tests

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



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Texas Math Explorer!

Four steady rounds on the Lone Star math route

This book gives you four 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	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.

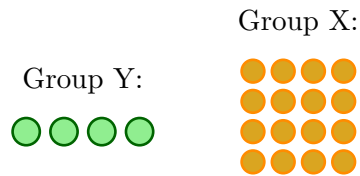


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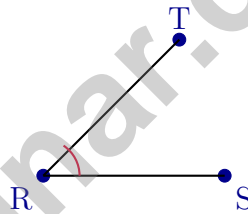
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- 1) Look at the two groups. How many times as many objects are in Group X as in Group Y?



- A. 2 times
- B. 6 times
- C. 8 times
- D. 4 times
- 2) Look at this diagram:



Using three points, how would you name the angle shown by the red arc?

- A. Angle  $S$
- B. Angle  $TRS$
- C. Angle  $ST$
- D. Angle  $R$
- 3) Find  $6\frac{5}{8} - 3\frac{7}{8}$ .



4) What is  $1,428 \div 6$ ?

A. 238

C. 248

B. 242

D. 244

5) Use this place-value table to convert 40,506 to word form:

Ten-Thousands	Thousands	Hundreds	Tens	Ones
4	0	5	0	6

A. Forty thousand, fifty-six

C. Forty thousand, five hundred sixty

B. Four hundred thousand, five hundred six

D. Forty thousand, five hundred six

6) 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

7) Round 55,555 to the nearest ten thousand.

A. 50,000

C. 56,000

B. 55,000

D. 60,000

8) An angle measures  $175^\circ$ . It is split into two parts. One part is  $96^\circ$ . What does the other part measure?

A.  $79^\circ$

C.  $271^\circ$

B.  $96^\circ$

D.  $100^\circ$



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9) Order these decimals from least to greatest: 0.72, 0.27, 0.70, 0.07.

A. 0.07, 0.27, 0.70, 0.72

C. 0.27, 0.07, 0.70, 0.72

B. 0.72, 0.70, 0.27, 0.07

D. 0.07, 0.70, 0.27, 0.72

10) Which is equal to  $\frac{6}{10}$ ?

A.  $\frac{60}{10}$

C.  $\frac{16}{100}$

B.  $\frac{60}{100}$

D.  $\frac{6}{100}$

11) Maya measured her pencil and found it is 15 centimeters long. How many millimeters is this?

A. 1.5

C. 150

B. 15

D. 1,500

12) 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.  $\frac{4}{4}$

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

B.  $\frac{8}{4}$

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

13) A growing shape pattern shows: Figure 1 has 2 squares, Figure 2 has 5 squares, Figure 3 has 8 squares. Following the pattern, how many squares are in Figure 6?



1) What fraction is missing in this equation?  $\frac{?}{100} + \frac{25}{100} = \frac{7}{10}$

A.  $\frac{45}{100}$

B.  $\frac{52}{100}$

C.  $\frac{42}{100}$

D.  $\frac{50}{100}$

2) Which number has a 4 in the hundreds place? Use this expanded form reference:

Number	Thousands	Hundreds	Tens	Ones
Option A	2	4	1	5
Option B	4	2	1	5
Option C	1	2	4	5
Option D	2	5	4	1

A. 2,415

B. 4,215

C. 1,245

D. 2,541

3) Mia bakes 8 cookies. Max bakes 2 times as many cookies as Mia. How many cookies does Max bake?

A. 6

B. 8

C. 10

D. 16

4) A family drives 120 miles on day one and 145 miles on day two. What is the total distance driven?

A. 25 miles

B. 145 miles

C. 265 miles

D. 275 miles









## 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.** **4.2(A)** Divide the larger group by the smaller:  $16 \div 4 = 4$ . So Group X has 4 times as many objects as Group Y.
- Choice B is correct.** **4.6(A)** When you name an angle with three letters, always put the vertex (the corner point) in the middle. Here  $R$  is where the two rays meet, so it goes in the middle: angle  $TRS$ .
- The correct answer is  $2\frac{6}{8}$ .** **4.3(A)** Since  $\frac{5}{8} < \frac{7}{8}$ , regroup:  $6\frac{5}{8} = 5\frac{13}{8}$ . Then subtract:  $5\frac{13}{8} - 3\frac{7}{8} = 2\frac{6}{8}$ .
- Choice A is correct.** **4.4(E)** Long division:  $1 \div 6 = 0$  r1, bring down the 4 to get  $14 \div 6 = 2$  r2, bring down the 2 to get  $22 \div 6 = 3$  r4, bring down the 8 to get  $48 \div 6 = 8$ . The answer is **238**.
- Choice D is correct.** **4.2(B)** From the chart: ten-thousands: 4, thousands: 0 (omit), hundreds: 5, tens: 0 (omit), ones: 6  $\rightarrow$  "forty thousand, five hundred six"  $\checkmark$
- Choice B is correct.** **4.8(C)** There are 96 ounces of dried apples. Each bag holds 8 ounces. Divide:  $96 \div 8 = 12$  bags. He needs **12** bags.
- Choice D is correct.** **4.2(D)** We're rounding to the nearest ten thousand. Look at the thousands digit: 5. Since  $5 \geq 5$ , we round UP! The ten thousands digit changes from 5 to 6, giving us **60,000**.  $\checkmark$
- Choice A is correct.** **4.7(E)** The angle is split into two parts. Subtract to find the missing part:  $175^\circ - 96^\circ = 79^\circ$ .
- Choice A is correct.** **4.3(C)** Compare the tenths place first:  $0 < 2 < 7$ . For the two decimals with tenths = 7, compare hundredths:  $0 < 2$ , so  $0.70 < 0.72$ .
- Choice B is correct.** **4.3(C)** To convert  $\frac{6}{10}$ , multiply numerator and denominator by 10:  $\frac{6}{10} = \frac{6 \times 10}{10 \times 10} = \frac{60}{100}$ .
- Choice C is correct.** **4.8(B)** Since 1 centimeter = 10 millimeters, multiply:  $15 \times 10 = 150$  mm. The answer is **150** mm.
- Choice A is correct.** **4.3(A)** The gardener needs soil but already has some. Find how much more is needed by subtracting what he has from what's needed:  $\frac{6}{4} - \frac{2}{4} = \frac{4}{4}$  more bags of soil are needed.
- The correct answer is 17.** **4.4(E)** Add 3 each time: 2, 5, 8, 11, 14, **17**. Figure 6 has **17** squares.
- Choice A is correct.** **4.3(A)** A unit fraction has numerator 1. The farmer uses 4 plots, so we need four  $\frac{1}{6}$  pieces:  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} \checkmark$ .
- Choice A is correct.** **4.9(B)** Elena has 2 ropes, each  $\frac{3}{4}$  meter long. Multiply:  $2 \times \frac{3}{4} = \frac{2 \times 3}{4} = \frac{6}{4} = 1\frac{2}{4}$  meters. The answer is  **$1\frac{2}{4}$  or  $1\frac{1}{2}$**  meters.
- Choice B is correct.** **4.3(C)** Hundredths fill the second decimal place.  $\frac{47}{100} = 0.47$ , so the answer is **0.47**.
- Choice C is correct.** **4.7(E)** Mia's angle of  $60^\circ$  is composed of **60** one-degree angle units.
- The correct answer is A, B.** **4.7(E)** An angle is made of a vertex (the meeting point) and two rays (the sides). A circle, arc, and line are not essential parts of an angle.
- Choice C is correct.** **4.3(E)** The smallest measurement is  $\frac{2}{8}$  and the largest is  $\frac{6}{8}$ . The range is  $\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$ .
- Choice A is correct.** **4.9(B)** Three containers, each holding  $\frac{2}{8}$  liter, hold  $3 \times \frac{2}{8} = \frac{6}{8}$ , which simplifies to  $\frac{3}{4}$  liters.
- Choice C is correct.** **4.3(A)** Check each: A equals  $\frac{4}{5}$  (less), B equals  $\frac{4}{3}$  (more), C equals **1**, D equals  $\frac{5}{4}$  (more). Only  $C = \frac{5}{6} + \frac{1}{6} = 1$ .
- The correct answer is 396.** **4.4(E)** Weight problem: 22 boxes with 18 kg each. Calculate:  $22 \times 18 = 22 \times (10 + 8) = 220 + 176 = 396$  kg.
- Choice B is correct.** **4.3(B)** Convert to twelfths:  $\frac{1}{6} = \frac{2}{12}$ ,  $\frac{5}{12} = \frac{5}{12}$ ,  $\frac{1}{2} = \frac{6}{12}$ . Since  $2 < 5 < 6$ , the order is  $\frac{1}{6}$ ,  $\frac{5}{12}$ ,  $\frac{1}{2}$ .
- Choice C is correct.** **4.6(D)** A rhombus has two pairs of parallel sides and four sides of equal length, but does not require right angles. This is what distinguishes it from a square. The answer is **C**.
- Choice D is correct.** **4.4(E)** We need a number that pairs with 2 to make 20. Ask yourself:  $2 \times ? = 20$ . Since  $2 \times 10 = 20$ , the missing factor is **10**.



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## Hi, Math Champion!

◇ You trained hard! 4 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!  
★

### Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

**Coach's tip:** the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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 Coach

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect 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 TODAY.  
SUCCESS TOMORROW!**

## 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.



### 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 & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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