

7

Texas

STAAR

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$

7 Texas STAAR Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven 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!

Seven steady rounds on the Lone Star math route

This book gives you seven 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?

Seven tests, 210 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 5–7	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.



Scan me!
For more practice
& answers

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- 1) Ivy has $4\frac{4}{5}$ meters of string. After using some, she has $1\frac{2}{5}$ meters left. How much string did she use?
- A. $2\frac{2}{5}$ meters C. $3\frac{3}{5}$ meters
 B. $3\frac{2}{5}$ meters D. $3\frac{4}{5}$ meters
- 2) A kitchen has 240 ounces of rice to divide equally among 4 storage bins. How many ounces of rice go in each bin?
- A. 60 ounces C. 120 ounces
 B. 80 ounces D. 240 ounces
- 3) A reading challenge requires finishing $\frac{9}{12}$ of a book this week and $\frac{2}{12}$ next week. After both weeks, how much of the book is left?
- A. $\frac{1}{12}$ C. $\frac{7}{12}$
 B. $\frac{11}{12}$ D. $\frac{12}{12}$
- 4) Compare these three decimals on a number line: 0.2, 0.8, 0.5. Which is in the middle?
- A. 0.2 C. 0.5
 B. 0.8 D. They are all equal

- 5) $\begin{array}{c} 6 \\ \hline \\ 2 \text{ times } \hline \end{array}$

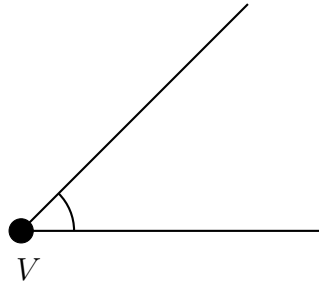
Miguel has 6 toy cars. Diego has 2 times as many toy cars. How many cars does Diego have?

- A. 8 C. 16
 B. 18 D. 12



10) If an angle measures 35° , how many one-degree angles does it turn through?

- A. 3.5 one-degree angles C. 70 one-degree angles
 B. 35 one-degree angles D. 350 one-degree angles



11)

What is labeled with the letter V in the diagram above?

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

12) Maya has 7 pounds of flour. How many ounces of flour does she have?



1) The zoo needs to divide 1,456 pounds of animal feed equally among 8 animals. How many pounds does each animal get?

A. 172

C. 182

B. 192

D. 188

2) How many rays make up an angle?

A. 1

C. 3

B. 2

D. 4

3) Use a protractor to measure the angle below. Write the degree measure.



4) A water bottle holds 750 milliliters. How much water is in 2 bottles?

A. 375 mL

C. 1,500 mL

B. 750 mL

D. 2,250 mL



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5) A rectangle has an area of 63 square feet. The length is 9 feet. What is the width?

A. 6 ft

C. 9 ft

B. 8 ft

D. 7 ft

6) What is 2×672 ?

A. 1244

C. 1344

B. 1444

D. 1544

7) In a four-digit number, the thousands digit is 3, the hundreds digit is 4, the tens digit is 2, and the ones digit is 6. What is the number?

A. 4,236

C. 2,346

B. 6,243

D. 3,246

Diego



Luna

8)

Diego has 5 pins. Luna has 2 times as many pins as Diego. How many pins does Luna have?

A. 7

C. 12

B. 15

D. 10



6) Which number is divisible by 2?

A. 47

C. 63

B. 71

D. 52

7) What is $7 \times \frac{1}{10}$?

A. $\frac{7}{10}$

C. $\frac{1}{70}$

B. $\frac{10}{7}$

D. $\frac{7}{100}$

8) Order these from least to greatest: 0.90, 0.09, 0.99, 0.19.

A. 0.09, 0.19, 0.90, 0.99

C. 0.99, 0.90, 0.19, 0.09

B. 0.09, 0.90, 0.19, 0.99

D. 0.19, 0.09, 0.99, 0.90

9) Write $2\frac{5}{6}$ as an improper fraction.

10) What do you call two angles that share a vertex and their sides form two straight lines?

A. Supplementary angles

C. Adjacent angles

B. Vertical angles

D. Right angles

11) How many copies of $\frac{1}{3}$ are in $\frac{3}{3}$?

A. 1

C. 3

B. 2

D. 6



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 B is correct.** **4.3(A)** Subtract the wholes: $4 - 1 = 3$. Subtract the fractions: $\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$. She used $3\frac{2}{5}$ meters.
- Choice A is correct.** **4.8(C)** There are 240 ounces of rice to divide equally into 4 bins. Divide: $240 \div 4 = 60$ ounces. Each bin gets **60** ounces.
- Choice A is correct.** **4.3(A)** The reading challenge spans two weeks. Step 1: Add what's read both weeks: $\frac{9}{12} + \frac{2}{12} = \frac{11}{12}$. Step 2: Find what's left: $\frac{12}{12} - \frac{11}{12} = \frac{1}{12}$.
- Choice C is correct.** **4.3(C)** On a number line from 0 to 1: $0.2 < 0.5 < 0.8$. The value 0.5 is halfway between 0 and 1, right in the middle!
- Choice D is correct.** **4.5(A)** The bar model shows Diego's bar is twice as long as Miguel's—2 groups of 6. So multiply: $2 \times 6 = 12$ cars.
- Choice C is correct.** **4.5(C)** Carpet needed = $14 \times 10 = 140$ sq ft.
- Choice D is correct.** **4.2(D)** To round to the nearest thousand, check the hundreds digit in 5,450: it's 4. Since $4 < 5$, we round **DOWN** to **5,000**. ✓
- Choice B is correct.** **4.6(D)** A rectangle has two pairs of parallel sides and all four right angles. Although opposite sides are equal in length, not all four sides must be equal. The answer is **B**.
- Choice B is correct.** **4.7(E)** A circle is 360° total, and each sector is 60° : $360^\circ \div 60^\circ = 6$ sectors.
- Choice B is correct.** **4.7(E)** A 35° angle is made of **35** one-degree angles.
- Choice B is correct.** **4.7(E)** Point V marks the vertex—the point where the two rays meet.
- The correct answer is 112.** **4.8(B)** Since 1 pound = 16 ounces, multiply: $7 \times 16 = 112$ ounces.
- Choice A is correct.** **4.3(A)** The pie has light blue section ($\frac{2}{8}$) and dark blue section ($\frac{3}{8}$). Total: $2 + 3 = 5$, so $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$. ✓
- The correct answer is 100.** **4.7(E)** When two angles combine, add their measures: $47^\circ + 53^\circ = 100^\circ$.
- The correct answer is 560.** **4.4(E)** Divide: $50 \div 9 = 5$ r5, bring down the 4 to get $54 \div 9 = 6$, bring down the 0 to get $0 \div 9 = 0$. Each section has **560** feet of fence.
- The correct answer is B, C.** **4.2(A)** Equations that show “2 times as many” have 2 as a factor in the multiplication. Choice B ($10 = 2 \times 5$) and choice C ($14 = 2 \times 7$) both do. Choices A and D show addition (not multiplication), and choice E has 6 as the multiplier, not 2.
- Choice C is correct.** **4.4(E)** Divisibility rule for 3: *add the digits*; if the sum divides by 3, the number does too. For 57: $5 + 7 = 12$, and $12 \div 3 = 4$. So $57 \div 3 = 19$. The others fail the digit-sum test: $37 \rightarrow 10$, $44 \rightarrow 8$, $62 \rightarrow 8$.
- Choice B is correct.** **4.6(A)** Perpendicular lines cross each other at exactly 90° , while parallel lines never cross at all—they stay side by side forever.
- Choice C is correct.** **4.9(B)** We take 6 copies of $\frac{2}{3}$. Multiply: $6 \times \frac{2}{3} = \frac{6 \times 2}{3} = \frac{12}{3} = 4$. The answer is **4**.
- Choice B is correct.** **4.3(A)** To decompose means to break apart. Breaking $\frac{6}{8}$ into unit fractions means showing it as a sum of $\frac{1}{8}$'s: $\frac{6}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$.

6 copies
- Choice D is correct.** **4.4(E)** “How many complete hundreds” is just asking how many *full groups of 100* fit in 3,041. Skip-count by 100s: 100, 200, ..., 3,000—that's 30 groups. The extra 41 books left over isn't enough for another group of 100. So the bookstore has **30** complete hundreds. ✓
- Choice D is correct.** **4.4(E)** Apply “multiply by 3 then subtract 2” to input 5: Step 1: $5 \times 3 = 15$. Step 2: $15 - 2 = 13$.
- Choice D is correct.** **4.2(B)** Comparing left to right: hundred-thousands, ten-thousands, and thousands are the same. Hundreds: $1 > 0$, so $456,100 > 456,099$. ✓



Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 7 tests is like 7 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Confidence Building
- ✓ Skill Reinforcement

★ 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.



Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ And More!



Visit testinar.com/math4

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MORE PRACTICE. GREATER RESULTS.

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Build Confidence and Skills



Mixed Question Types



Answer Key Included