

3

Texas STAAR

GRADE 4

MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**5 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
QUESTIONS**



**ANSWER KEY
INCLUDED**

$$a^2 + b^2 = c^2$$

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



3 Texas STAAR Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Texas STAAR strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Texas Math Explorer!

Three steady rounds on the Lone Star math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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.

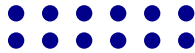


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Mira: 6 books



Raj: 2 times

1)

Mira has 6 books. Raj has 2 times as many books as Mira. How many books does Raj have?

A. 8

C. 14

B. 10

D. 12

2) When naming an angle, what do we put in the middle?

A. Any point on a side

C. A point in the exterior

B. The vertex

D. A point in the arc

3) Express 0.68 as a fraction and read it aloud.

A. $\frac{68}{10}$; sixty-eight tenths

C. $\frac{68}{100}$; sixty-eight hundredths

B. $\frac{6}{8}$; six eighths

D. $\frac{68}{1000}$; sixty-eight thousandths

4) What is $3,675 \div 9$ (with remainder)?

A. 408 r3

C. 409 r4

B. 407 r2

D. 408 r6



5) If you rotate a shape by 45° , what fraction of a full turn is this?

- A. $\frac{1}{8}$
 B. $\frac{1}{6}$

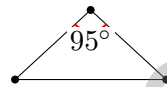
- C. $\frac{1}{4}$
 D. $\frac{1}{3}$

6) Mia measured the height of a plant as $\frac{3}{10}$ meter. How many hundredths of a meter is this?

- A. $\frac{3}{100}$ meter
 B. $\frac{13}{100}$ meter

- C. $\frac{30}{100}$ meter
 D. $\frac{300}{100}$ meter

7) Look at the triangle. It has one angle that is 95 degrees. What type of triangle is it?



- A. Acute triangle
 B. Right triangle

- C. Obtuse triangle
 D. Equilateral triangle

8) A school cafeteria serves lunch to 6 grades. Each grade has 35 students. How many students get lunch?

- A. 210
 B. 180

- C. 240
 D. 270

9) An equilateral triangle has how many lines of symmetry?

- A. 1
 B. 2

- C. 3
 D. 4



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- 10) A rectangle has an area of 72 square inches. The length is 9 inches. What is the width?



- 11) Look at the table below. What is the rule for the pattern?

Input	1	2	3	4
Output	5	10	15	20

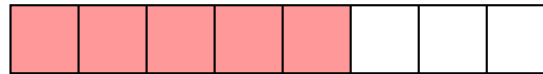
- A. Divide by 2
- B. Add 4
- C. Multiply by 4 then add 1
- D. Multiply by 5
- 12) In the number 8,888, the value of the digit 8 in the thousands place is how many times the value of the digit 8 in the tens place?
- A. 100
- B. 10 times greater
- C. 100 times greater
- D. 10 times less
- 13) A pot has 8 cups of soup. Two friends share the soup equally. How many cups does each person get?
- A. 2 cups
- B. 4 cups
- C. 6 cups
- D. 8 cups



1) A pencil is $\frac{2}{5}$ decimeter long. What is the total length of 5 pencils?

- A. $\frac{2}{25}$ decimeter C. $\frac{7}{5}$ decimeters
 B. $\frac{10}{5}$ decimeters (or 2 decimeters) D. $\frac{10}{25}$ decimeter

2) A rectangle is divided into 8 equal columns. 5 columns are painted red. Show the red fraction as a sum of unit fractions.



5 red columns out of 8

- A. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$ C. 5 parts of 5
 B. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$ D. $\frac{5}{5}$

3) In the number 2,222, which 2 has the greatest value?

- A. The 2 in the ones place C. The 2 in the hundreds place
 B. The 2 in the tens place D. The 2 in the thousands place

4) What is $3 \times \frac{2}{6}$?

- A. $\frac{3}{6}$ C. $\frac{2}{9}$
 B. $\frac{6}{6}$ D. $\frac{6}{18}$

5) A rope measures 1,200 centimeters. How many meters is this?

- A. 12 C. 1,200
 B. 120 D. 120,000



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6) What is 98,765 rounded to the nearest thousand?

A. 98,000

C. 98,800

B. 100,000

D. 99,000

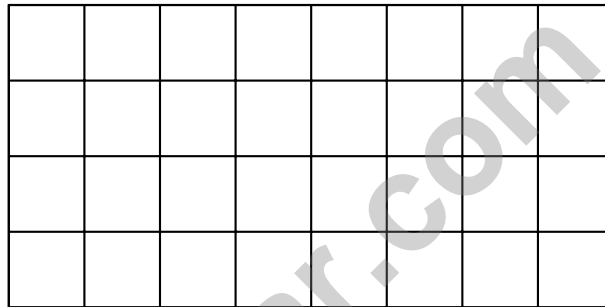
7) A library has 13 shelves. Each shelf holds 64 books. How many books are on these shelves?

A. 832 books

C. 845 books

B. 778 books

D. 912 books



8)

Each grid square is 1 square unit. What is the perimeter of the rectangle?

A. 12 units

C. 32 units

B. 24 units

D. 48 units

9) Which sum is correct?

A. $\frac{7}{10} + \frac{10}{100} = \frac{80}{100}$

C. $\frac{7}{10} + \frac{10}{100} = \frac{7}{10}$

B. $\frac{7}{10} + \frac{10}{100} = \frac{17}{110}$

D. $\frac{7}{10} + \frac{10}{100} = \frac{7}{100}$



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 D is correct.** **4.5(A)** Look at the picture: Raj's group has 2 rows of 6 books—that's 2 times Mira's amount. Multiply: $2 \times 6 = 12$ books.
- 2) **Choice B is correct.** **4.7(E)** When naming an angle with three letters, the vertex is always the middle letter, like $\angle ABC$.
- 3) **Choice C is correct.** **4.3(C)** 0.68 uses both the tenths place (the 6) and the hundredths place (the 8), so it equals $\frac{68}{100}$ or sixty-eight hundredths.
- 4) **Choice A is correct.** **4.4(E)** Long division: $3 \div 9 = 0$ r3, bring down the 6 to get $36 \div 9 = 4$, bring down the 7 to get $7 \div 9 = 0$ r7, bring down the 5 to get $75 \div 9 = 8$ r3. The answer is **408** r3.
- 5) **Choice A is correct.** **4.7(E)** Divide the degrees by 360: $\frac{45}{360} = \frac{1}{8}$ (simplifying by 45). Answer: $\frac{1}{8}$.
- 6) **Choice C is correct.** **4.3(C)** To convert $\frac{3}{10}$ meter to hundredths of a meter, multiply by $\frac{10}{10}$: $\frac{3}{10} = \frac{3 \times 10}{10 \times 10} = \frac{30}{100}$ meter.
- 7) **Choice C is correct.** **4.6(D)** Since one angle measures 95 degrees, which is greater than 90 degrees, this triangle is an obtuse triangle. The angle of 95 degrees is the obtuse angle. The answer is **C**.
- 8) **Choice A is correct.** **4.4(E)** Use the distributive property: $6 \times (30 + 5) = 180 + 30 = \mathbf{210}$ students.
- 9) **Choice C is correct.** **4.6(B)** An equilateral triangle has three equal sides and three equal angles, so it's balanced three ways. Each line goes from a corner to the middle of the opposite side. The answer is **3** lines of symmetry.
- 10) **The correct answer is 8 in.** **4.5(C)** From area formula: $72 = 9 \times w$. Divide: $w = 72 \div 9 = 8$ in.
- 11) **Choice D is correct.** **4.4(E)** Check the rule: $1 \times 5 = 5$, $2 \times 5 = 10$, $3 \times 5 = 15$, $4 \times 5 = 20$. The rule is "multiply by 5". ✓
- 12) **Choice C is correct.** **4.4(E)** Step 1: name the values. The 8 in thousands is worth 8,000; the 8 in tens is worth 80. Step 2: divide to compare: $8,000 \div 80 = 100$. The thousands 8 is **100** times greater than the tens 8. *Why 100?* Two places to the left = two factors of 10, and $10 \times 10 = 100$. ✓
- 13) **Choice B is correct.** **4.8(C)** There are 8 cups of soup for 2 friends. Divide equally: $8 \div 2 = 4$ cups. Each person gets 4 cups.
- 14) **Choice D is correct.** **4.3(B)** Both bars show the same shaded length. Since we're going from thirds to sixths (multiply denominator by 2), multiply the numerator by 2 also: $\frac{2}{3} = \frac{2 \times 2}{3 \times 2} = \frac{4}{6}$.
- 15) **The correct answer is $2\frac{1}{2}$.** **4.9(B)** We take 3 copies of $\frac{5}{6}$. Multiply: $3 \times \frac{5}{6} = \frac{3 \times 5}{6} = \frac{15}{6} = 2\frac{1}{2}$. The answer is **$2\frac{1}{2}$** .
- 16) **The correct answer is A, C.** **4.9(B)** A means "6 copies of $\frac{1}{8}$ ", which is $\frac{6}{8}$. C also means "6 copies of $\frac{1}{8}$ ", just written in words. Both are correct. B and D would give $\frac{8}{6}$ (too many). E is subtraction.
- 17) **Choice B is correct.** **4.7(E)** A straight angle is a 180° angle, meaning it turns through **180** one-degree angles.
- 18) **The correct answer is 3.** **4.2(A)** We know the larger amount (12 blue shirts) and the comparison (4 times). To find the smaller amount, divide: $12 \div 4 = \mathbf{3}$ red shirts.
- 19) **Choice B is correct.** **4.9(B)** Marcus reads $\frac{3}{12}$ of the book each day for 4 days. We multiply: $4 \times \frac{3}{12} = \frac{12}{12} = 1$ whole book.
- 20) **Choice B is correct.** **4.7(C)** The baseline sits at 0° , and the second ray points to the 20° mark. Since $20^\circ < 90^\circ$, this is an acute angle—and a small one at that. The answer is **20** degrees.
- 21) **Choice B is correct.** **4.9(B)** The number line shows three equal jumps of $\frac{1}{5}$ each, landing at $\frac{3}{5}$. This matches $3 \times \frac{1}{5} = \frac{3}{5}$.
- 22) **Choice A is correct.** **4.3(C)** When comparing decimals, look at the tenths place first—it has the most weight. 0.35 has 3 tenths; the others (0.53, 0.50, 0.55) all have 5 tenths. Since $3 < 5$, the number with fewer tenths is automatically the smallest, no matter what's in the hundredths place. So **0.35** is the smallest. ✓
- 23) **Choice D is correct.** **4.5(A)** Three steps! Step 1: total plants: $20 + 15 = 35$. Step 2: subtract the dead plants: $35 - 5 = 30$ plants. Step 3: multiply by fruit per plant: $30 \times 12 = 360$ fruits expected.



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Notes From Your Math Builder

Hi, Math Builder!

◇ Through 3 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

Jay Daie

Your Math Builder

PRACTICE TODAY. SUCCEED TOMORROW!

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

With 3 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.



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
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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