

# 8

# Texas STAAR

## GRADE 3

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



8 Full-Length  
Practice Tests



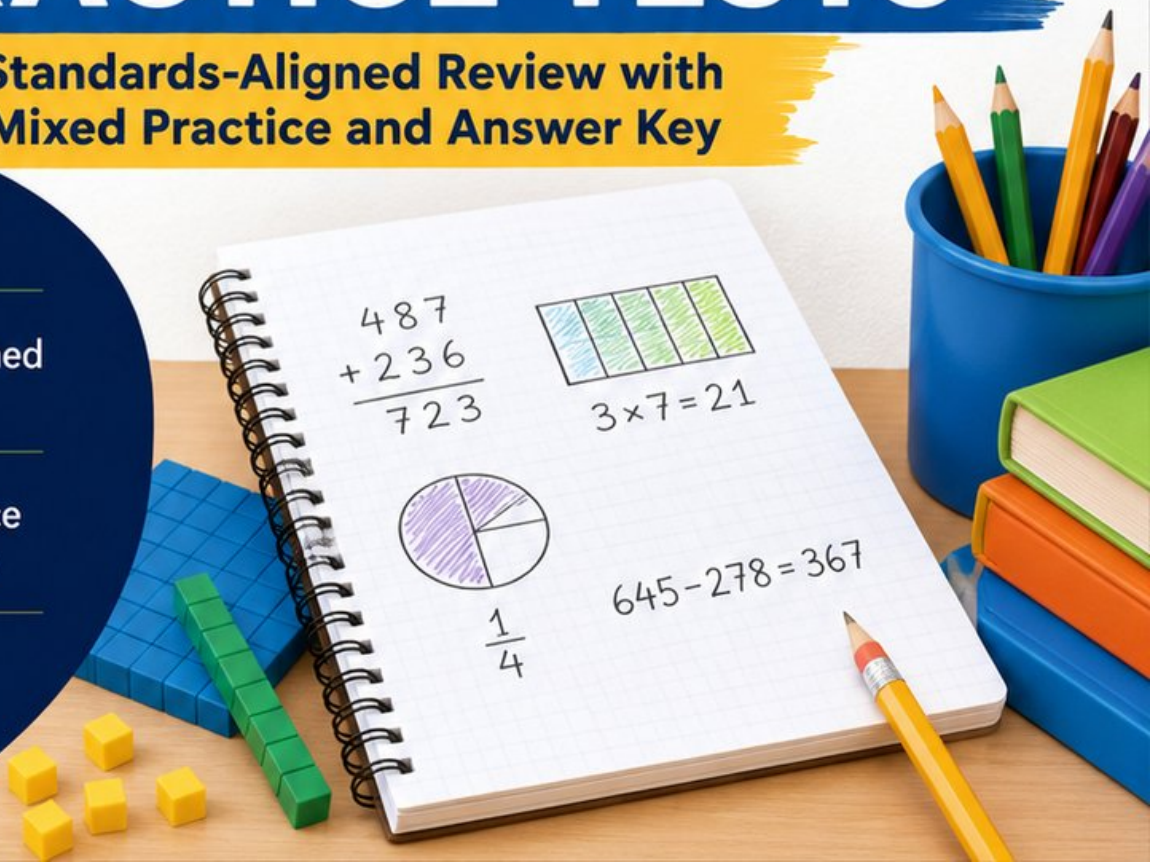
Standards-Aligned  
Questions



Build Confidence  
and Math Skills

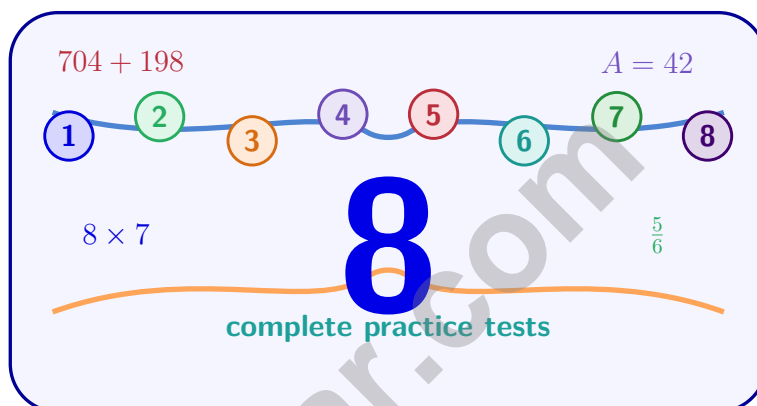


Answer Key  
Included



# 8 Texas STAAR Grade 3 Math Practice Tests

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



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

**Jay Daie and Reza Nazari**



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# Texas, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the Texas STAAR. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Texas has wide ranch roads, Gulf beaches, city skylines, starry plains, and big classroom goals, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and think big while checking small details.

## Your Texas Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

**Eight rounds. Thirty questions each. One careful step at a time.**

# How to Use This Book

## A simple eight-round routine for confident review

Use this Texas book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

**Best review habit:** In Texas, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



# What Is Inside the Eight Tests?

## Mixed Grade 3 math practice for the STAAR

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

**Texas focus:** The practice path starts with wide ranch roads, Gulf beaches, city skylines, starry plains, and big classroom goals. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



Scan me!  
For more practice  
& answers

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1) Mia buys 8 bags of candy. Each bag has 3 candies. How many candies does Mia buy?

A. 11

C. 18

B. 16

D. 24

2) Write a fraction with numerator 3 that is larger than  $\frac{3}{8}$ .

3) Noah colors  $\frac{2}{6}$  of a page. His friend colors  $\frac{1}{3}$  of an identical page. Do they color the same amount?

A. The pages might be different.

C. Yes, same amount.

B. No, his friend colors more.

D. No, Noah colors more.

4) An array has 3 rows and 5 columns. How many objects are in the array?

5) Which fraction is NOT equivalent to  $\frac{2}{4}$ ?

A.  $\frac{1}{2}$

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

B.  $\frac{3}{6}$

D.  $\frac{2}{3}$



6) A picture graph shows toy cars. Each car icon represents 4 cars. Diego has 12 cars. How many icons should be shown for Diego?

A. 3 icons

C. 6 icons

B. 4 icons

D. 12 icons

7) A farmer puts 7 eggs in each carton. If he fills 9 cartons, how many eggs are there?

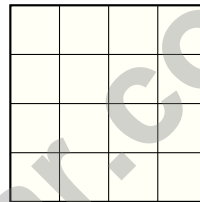
A. 56 eggs

C. 72 eggs

B. 16 eggs

D. 63 eggs

8) Mia needs to tile a floor that is 4 feet by 4 feet using 1-foot by 1-foot tiles (unit squares in feet). How many tiles does she need?



4 feet

A. 8 tiles

C. 16 tiles

B. 12 tiles

D. 20 tiles

9) Complete:  $\square \times 7 = 63$

A. 7

C. 10

B. 8

D. 9



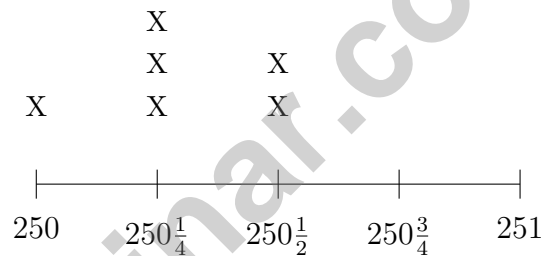
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10) Find  $30 \div 5$ .

11) Which shape is NOT a quadrilateral?

- A. Parallelogram                       C. Rhombus  
 B. Triangle                                 D. Square

12) Lily's line plot shows water bottle volumes in milliliters:  $250$ ,  $250\frac{1}{4}$ ,  $250\frac{1}{2}$ ,  $250\frac{3}{4}$ ,  $251$  (using quarters).



How many bottles have a volume of  $250\frac{1}{4}$  milliliters?

- A. 1     C. 3  
 B. 2     D. 4

13) Select the **TWO** correct statements about time intervals.

- A. An interval from 9 : 20 AM to 9 : 50 AM is 30 minutes long.  
 B. An interval from 1 : 15 PM to 2 : 30 PM is 1 hour and 15 minutes long.  
 C. An interval from 6 : 00 AM to 7 : 00 AM is 60 minutes long.  
 D. An interval from 11 : 45 AM to 12 : 30 PM is 45 minutes long.  
 E. An interval from 4 : 00 PM to 5 : 05 PM is 1 hour and 5 minutes long.





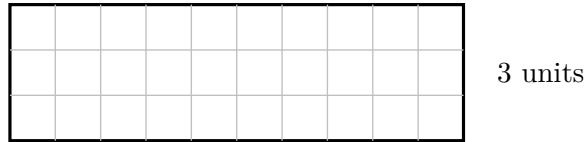
6) What is  $6 \times 8$ ?

A. 42

C. 54

B. 56

D. 48



7)

10 units

Count the unit squares. What is the area of this rectangle?

A. 13 sq units

C. 25 sq units

B. 30 sq units

D. 40 sq units

8) A line plot shows book weights in ounces: 8,  $8\frac{1}{2}$ , 9,  $9\frac{1}{2}$ , 10. Count from the plot shows 1 X at 8 oz, 2 at  $8\frac{1}{2}$  oz, 3 at 9 oz, 2 at  $9\frac{1}{2}$  oz, and 2 at 10 oz. What is the range?

A. 1 ounce

C. 2 ounces

B.  $1\frac{1}{2}$  ounces

D.  $2\frac{1}{2}$  ounces

9) Noah measures the mass of three books. The first weighs 300 g, the second weighs 400 g, and the third weighs 350 g. If he carries all three books, what is the total mass in grams?

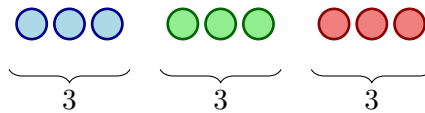


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1) A rectangle has a width of 3 feet and a length of 8 feet. The rectangle has 8 rows with 3 unit squares in each row. Find the area by adding:  $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = ?$

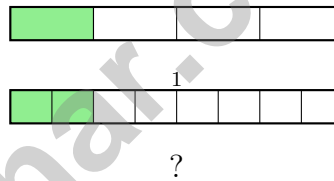
- A. 11 sq ft
- B. 16 sq ft
- C. 24 sq ft
- D. 32 sq ft

2) Which division sentence matches this picture?



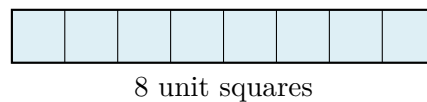
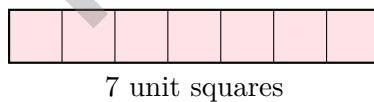
- A.  $9 \div 1$
- B.  $9 + 3$
- C.  $3 \div 3$
- D.  $9 \div 3$

3) Look at the bars. Match the fractions.



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

4) Which area is the greatest?



- A. A rectangle made of 7 unit squares
- B. A rectangle made of 8 unit squares
- C. A rectangle made of 6 unit squares
- D. A square made of 4 unit squares



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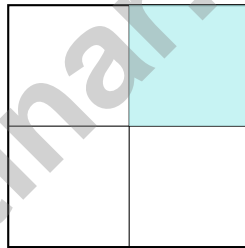
5)  $524 + 312 = ?$

 A. 836 C. 935 B. 846 D. 7356) A cake is divided into 6 equal pieces. If you eat  $\frac{1}{6}$ ,  $\frac{1}{6}$ , and  $\frac{1}{6}$ , how much of the cake do you eat in total? A.  $\frac{3}{6}$  C.  $\frac{1}{18}$  B.  $\frac{1}{6}$  D.  $\frac{3}{1}$ 

7) A rectangle is 10 units long and 2 units wide. What is its area?

 A. 20 sq units C. 30 sq units B. 12 sq units D. 40 sq units

8) A rectangle is divided with 1 horizontal and 1 vertical line making 4 equal parts.



One part is shaded. What fraction is shaded?

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

## 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

- 1) **Choice D is correct.** **3.4(K)** Multiply:  $8 \text{ bags} \times 3 \text{ candies per bag} = 24 \text{ candies}$ .
- 2) **The correct answer is  $\frac{3}{6}$ .** **3.3(H)** With the same numerator, a smaller denominator makes a larger fraction.
- 3) **Choice C is correct.** **3.3(G)**  $\frac{2}{6} = \frac{1}{3}$  because both represent one-third of the page.
- 4) **The correct answer is 15.** **3.4(A)**  $3 \times 5 = 15$ .
- 5) **Choice D is correct.** **3.3(G)**  $\frac{2}{4}$  equals  $\frac{1}{2}$  (divide by 2). Choices A, B, and C are all equivalent to  $\frac{1}{2}$ . Only  $\frac{2}{3}$  is different.
- 6) **Choice A is correct.** **3.8(B)** Divide total by scale:  $12 \div 4 = 3$  icons.
- 7) **Choice D is correct.** **3.4(D)** 9 cartons with 7 eggs each means 9 groups of 7. So  $9 \times 7 = 63$  eggs.
- 8) **Choice C is correct.** **3.6(C)** A  $4 \times 4$  square needs  $4 \times 4 = 16$  unit squares (tiles of 1 foot by 1 foot).
- 9) **Choice D is correct.** **3.5(D)** The missing factor is 9 because  $9 \times 7 = 63$ . This is the same as saying  $63 \div 7 = 9$ .
- 10) **The correct answer is 6.** **3.4(H)**  $30 \div 5 = 6$ .
- 11) **Choice B is correct.** **3.6(B)** A triangle has 3 sides. A quadrilateral has 4 sides, so a parallelogram, rhombus, and square are all quadrilaterals, but a triangle is not.
- 12) **Choice C is correct.** **3.7(A)** Count the X's directly above the  $250\frac{1}{4}$  mark. There are three X's stacked there.
- 13) **Choices A and B are correct.** **3.7(C)** A:  $9:20$  to  $9:50 = 30$  min. B:  $1:15$  to  $2:30 = 1$  hr 15 min. C:  $6:00$  to  $7:00 = 60$  min (true, but not selected). D:  $11:45$  to  $12:30 = 45$  min (true, but not selected). E:  $4:00$  to  $5:05 = 1$  hr 5 min (true, but not selected). Correct answers require careful minute counting across hour boundary.
- 14) **Choice C is correct.** **3.3(C)** The denominator tells us how many parts: 6 parts of size  $\frac{1}{6}$  each.
- 15) **Choice C is correct.** **3.6(D)** Multiply length by width:  $6 \times 3 = 18$  square units.
- 16) **Choice A is correct.** **3.4(B)** The tens digit is 4. Since  $4 < 5$ , round down: 145 rounds to 100.
- 17) **Choice B is correct.** **3.6(E)** Two slices out of eight equal slices is  $\frac{2}{8}$ .
- 18) **Choice C is correct.** **3.6(C)** Area =  $8 \times 3 = 24$  square inches.
- 19) **Choice B is correct.** **3.4(A)**  $4 \times 70 = 4 \times 7 \times 10 = 28 \times 10 = 280$ . Marcus added two zeros instead of one.
- 20) **Choice B is correct.** **3.7(A)**  $\frac{2}{4} = \frac{1}{2}$ , so  $\frac{2}{4}$  and  $\frac{1}{2}$  are the same point on the number line.
- 21) **Choice B is correct.** **3.6(D)** Count the rows: 3 rows. Count across each row: 6 tiles. Total:  $6 + 6 + 6 = 18$  unit square tiles are needed.
- 22) **Choice C is correct.** **3.6(D)** Vertical part:  $3 \times 8 = 24$  sq ft. Horizontal part:  $5 \times 2 = 10$  sq ft. Total:  $24 + 10 = 34$  sq ft.
- 23) **Choice C is correct.** **3.4(K)** The order does not matter in multiplication.  $7 \times 8 = 56$  and  $8 \times 7 = 56$ .
- 24) **Choice C is correct.** **3.3(G)**  $\frac{3}{1} = 3$  (three wholes).  $\frac{6}{2} = 6 \div 2 = 3$  wholes.  $\frac{9}{3} = 9 \div 3 = 3$  wholes. All three equal 3.
- 25) **Choice A is correct.** **3.4(A)** Ones:  $0 - 7$  requires regrouping, so  $10 - 7 = 3$ . Tens:  $1 - 8$  requires regrouping, so  $11 - 8 = 3$ . Hundreds:  $5 - 3 = 2$ . Answer: 233.
- 26) **Choice C is correct.** **3.4(A)** Add 7 each time:  $42 + 7 = 49$ . Multiples of 7 always increase by 7.
- 27) **Choice D is correct.** **3.5(D)** Multiply:  $4 \times 6 = 24$ . Check:  $24 \div 6 = 4$ .
- 28) **Choice A is correct.** **3.6(C)**  $9 \times (2 + 2) = 9 \times 4 = 36$ , and we can show this as two  $9 \times 2$  rectangles side by side.
- 29) **Choice A is correct.** **3.3(G)** Both bars show the same amount shaded.  $\frac{3}{4}$  and  $\frac{6}{8}$  are equivalent.
- 30) **Choice B is correct.** **3.4(E)** Area =  $2 \times 3 = 6$  square cm.

### Practice Test 2 Answers and Explanations



## Hi, Hero!

◇ Once there was a Grade 3 student who took 8 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

### Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

**Storyteller tip:** on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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 Storyteller

# PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



## EACH PRACTICE TEST INCLUDES:



Standards-  
Aligned  
Questions



Variety of  
Question  
Types



Real-World  
Math  
Applications



Step-by-Step  
Progress  
Tracking



Build Skills  
and Boost  
Confidence

## COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
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