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Texas STAAR

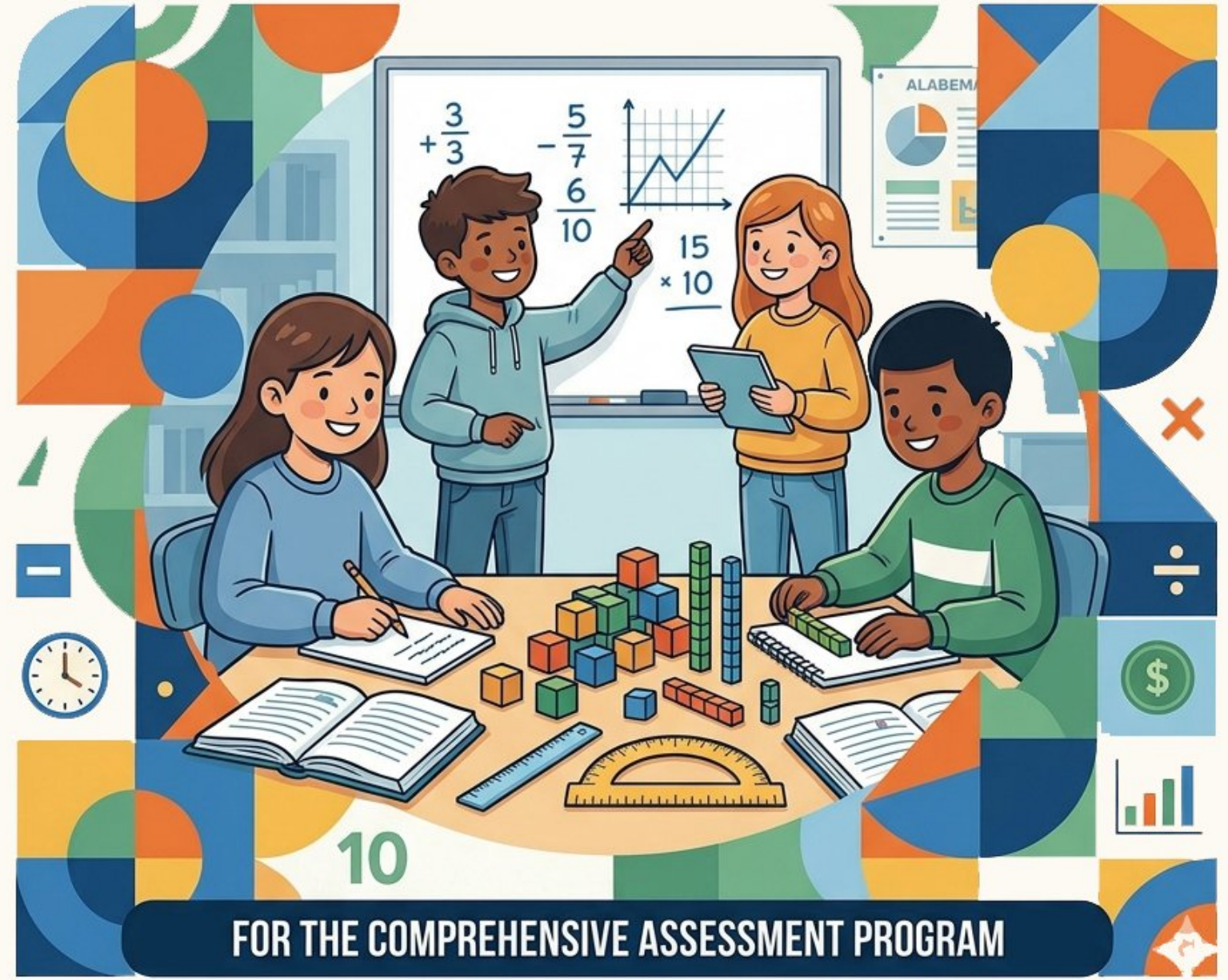
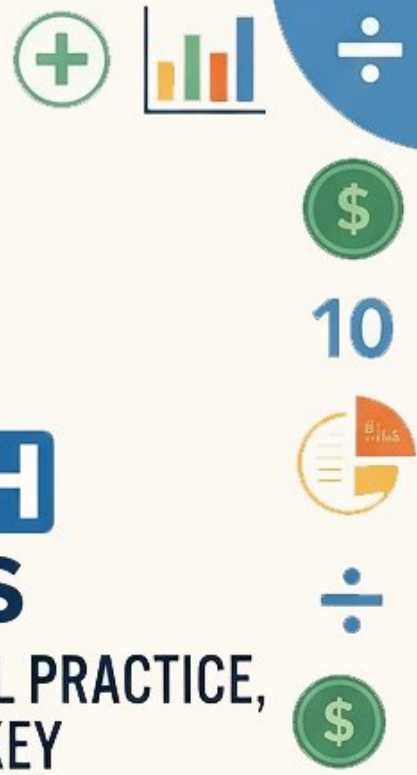
GRADE 3 MATH PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE, WORD PROBLEMS, AND ANSWER KEY



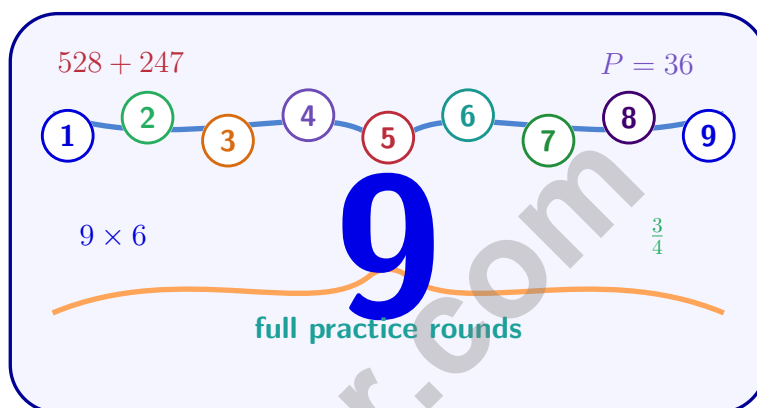
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FOR THE COMPREHENSIVE ASSESSMENT PROGRAM



9 Texas STAAR Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

Jay Daie and Reza Nazari



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Texas, Start Your Nine-Round Math Rally

A ready Grade 3 climb from first try to confident finish

This book gives you nine chances to practice like a thoughtful Texas STAAR test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly.

Texas has wide ranch roads, Gulf beaches, city skylines, starry plains, and big classroom goals, where careful steps matter. Strong math follows that same idea: prove what the question asks, choose a useful tool, show the work, and notice before moving on.

Your Texas Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

Nine rounds is not about rushing. It is about building a math habit that stays strong.

How to Use This Book

A nine-session routine for clear Texas review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

Good rhythm: Test one day, review the next day, then take the next test when your corrections feel clear. In Texas, that steady routine turns nine tests into one organized prep plan.



What Is Inside the Nine Tests?

Mixed Grade 3 practice with STAAR support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A Texas standards reference and standard-code boxes in explanations

Why mixed practice helps: Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.

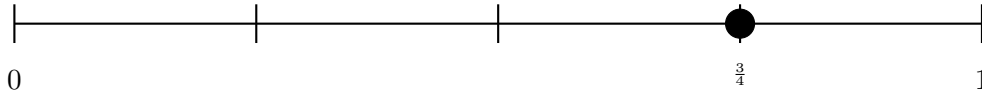


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- 1) On a number line from 0 to 1 divided into 4 equal parts, how many equal parts fit in the distance from 0 to $\frac{3}{4}$?



- A. 1 part C. 3 parts
 B. 2 parts D. 4 parts
- 2) Which rectangle has an area of 12 square units?
- A. length 2, width 6 C. length 4, width 4
 B. length 3, width 5 D. length 2, width 5
- 3) Add $375 + 248$ using the standard algorithm (aligning by place value).

A large, empty rectangular box with a thin black border, intended for the student to show their work for the addition problem.

- 4) Ava has 20 beads. She wants to make 5 equal bracelets. How many beads are on each bracelet?
- A. 3 C. 15
 B. 25 D. 4
- 5) Which fraction is equal to the whole number 5?
- A. $\frac{5}{1}$ C. $\frac{1}{5}$
 B. $\frac{5}{5}$ D. $\frac{5}{2}$



6) Two identical paper strips are shown. Strip X has 4 equal parts with 3 shaded. Strip Y has 8 equal parts with 6 shaded. Do they show the same shaded fraction?

- A. The strips are different sizes. C. Yes, same fraction.
 B. No, Strip Y is more. D. No, Strip X is more.

7) There are 3 tables. Each table has 9 children sitting at it. How many children are there altogether?

- A. 6 C. 30
 B. 12 D. 27

8) In a multiplication table, the diagonal from top-left goes: $1 \times 1 = 1$, $2 \times 2 = 4$, $3 \times 3 = 9$, $4 \times 4 = 16$, $5 \times 5 = 25$.

What pattern do you see?

- A. All numbers are even C. All products are even
 B. Numbers increase by 5 D. Numbers are perfect squares

9)  $\frac{1}{3}$  $\frac{1}{6}$

Which symbol makes this true? $\frac{1}{3}$ _____ $\frac{1}{6}$

- A. < C. =
 B. > D. \neq

10) Noah divides a toy block into 4 equal sections. What is the name of one section?

- A. One-half C. One-fourth
 B. One-third D. One-sixth



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11) Sam marks $\frac{5}{8}$ and $\frac{8}{8}$ on a number line from 0 to 1 divided into eighths. How far apart, in eighths, are these two points?

A. 3 eighths

B. 5 eighths

C. 1 eighth

D. 8 eighths

12) What is 7×7 ?

A. 42

B. 63

C. 56

D. 49

13) Noah splits a number line from 0 to 1 into 2 equal parts. Then he splits each part in half again. How many equal parts are there now?

A. 2

B. 3

C. 4

D. 8

14) What is 3×80 ? Write the multiplication fact and show how you add the zero.

15) A toy store has 60 action figures. They pack them into boxes of 6 figures each and sell 5 boxes. Which statements are TRUE about the remaining figures? (Select the TWO that are true.)

A. There are 10 boxes total.

B. There are 35 figures sold.

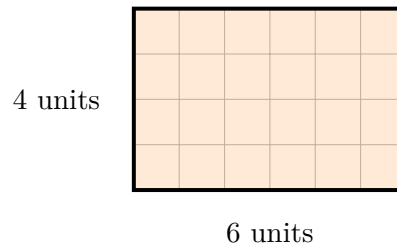
C. There are 30 figures remaining.

D. Each box has 5 figures.

E. There are 5 figures remaining.



- 1) This rectangle on a grid has dimensions labeled.



What is the area of the rectangle?

- A. 24 sq units C. 10 sq units
 B. 20 sq units D. 28 sq units
- 2) Mia buys stickers in packs of 10. She buys 1 pack, then 2 packs, then 3 packs, then 4 packs.
How many stickers does she have with 4 packs?

- A. 10 C. 30
 B. 20 D. 40

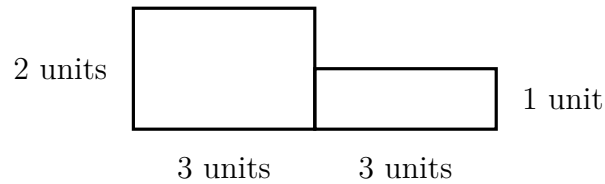
- 3) Mia colored $\frac{2}{3}$ of a circle. Write an equivalent fraction that uses 6 as the denominator.

- 4) Complete the equation: $35 \div \square = 7$

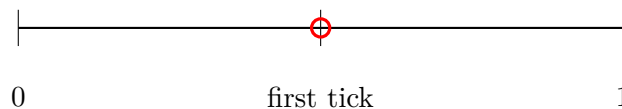
- A. 4 C. 6
 B. 7 D. 5



- 5) A composite shape is made by joining two rectangles. What is the total area?



- A. 6 sq units C. 12 sq units
 B. 9 sq units D. 15 sq units
- 6) A shape has exactly 4 sides and exactly 4 right angles. Which could it be?
- A. Rhombus only C. Square or rectangle
 B. Trapezoid only D. Triangle
- 7) Noah organizes video games on 4 shelves. He puts 7 video games on each shelf. How many video games does Noah have?
- A. 28 C. 3
 B. 11 D. 21
- 8) A bar graph shows hours practiced. Piano: 6 units (scale: 2 hours per unit). Guitar: 4 units (scale: 2 hours per unit). How many more hours was piano practiced?
- A. 2 C. 8
 B. 4 D. 12
- 9) A number line shows 0 and 1 divided in half (into 2 equal parts). The first tick mark is at which fraction?



- A. $\frac{1}{2}$ (the unit fraction) C. $\frac{2}{2}$ (the whole)
 B. $\frac{1}{3}$ (wrong denominator) D. $\frac{1}{4}$ (too many parts)



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5) Noah marks fractions on a number line from 0 to 2 divided into eighths. He marks $\frac{8}{8}$ and $\frac{16}{8}$. Which is larger?

A. They are equal

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

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

D. Neither; they are not on the line

6) Look at odd numbers: 13, 15, 17, 19, 21, ...

What is the next odd number?

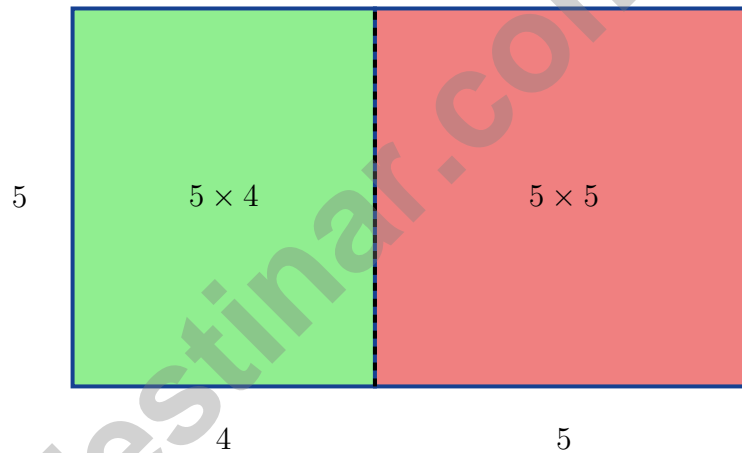
A. 22

B. 25

C. 24

D. 23

7) Look at this area model split into two parts.



What is the total area?

A. 20

B. 25

C. 50

D. 45



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 C is correct.** **3.7(A)** $\frac{3}{4}$ means 3 out of 4 equal parts. The distance from 0 to the mark contains exactly 3 parts.
- 2) **Choice A is correct.** **3.4(E)** Choice A: $2 \times 6 = 12$ ✓. Choice B: $3 \times 5 = 15$. Choice C: $4 \times 4 = 16$. Choice D: $2 \times 5 = 10$.
- 3) **The correct answer is 623.** **3.4(A)** Ones: $5 + 8 = 13$ (write 3, carry 1). Tens: $7 + 4 + 1 = 12$ (write 2, carry 1). Hundreds: $3 + 2 + 1 = 6$. Final answer: 623.
- 4) **Choice D is correct.** **3.4(H)** $20 \div 5 = 4$. Divide the total beads by the number of bracelets.
- 5) **Choice A is correct.** **3.3(G)** Any whole number with denominator 1 equals that number. $5 = \frac{5}{1}$. Check: (B) is all fifths, (C) is a unit fraction, (D) is not whole.
- 6) **Choice C is correct.** **3.3(G)** $\frac{3}{4} = \frac{6}{8}$ because both represent three-fourths of the strip.
- 7) **Choice D is correct.** **3.4(K)** Multiply: 3 tables \times 9 children per table = 27 children.
- 8) **Choice D is correct.** **3.4(A)** Each product is made by multiplying a number by itself: 1×1 , 2×2 , 3×3 , and so on. That is the pattern on this diagonal.
- 9) **Choice B is correct.** **3.3(H)** Same numerator: thirds have bigger pieces than sixths. One third is greater than one sixth.
- 10) **Choice C is correct.** **3.3(C)** Dividing a whole into 4 equal sections creates unit fractions called fourths. One section is one-fourth.
- 11) **Choice A is correct.** **3.2(C)** The distance from $\frac{5}{8}$ to $\frac{8}{8}$ is $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$, or 3 eighths.
- 12) **Choice D is correct.** **3.4(K)** $7 \times 7 = 49$. Seven groups of 7 equals 49.
- 13) **Choice C is correct.** **3.3(C)** Two parts split in half each gives $2 \times 2 = 4$ parts.
- 14) **The correct answer is 240.** **3.4(A)** $3 \times 8 = 24$, then add one zero to get 240: $3 \times 80 = 240$.
- 15) **Choices A and C are correct.** **3.4(A)** Step 1: Total boxes: $60 \div 6 = 10$ boxes, so A is true. Step 2: Figures sold: $5 \times 6 = 30$ figures, so B is false. The remaining figures are $60 - 30 = 30$, so C is true. D is false because each box has 6 figures, and E is false because 30 figures remain.
- 16) **Choice C is correct.** **3.6(C)** Count the bottom row: 5 squares. Count the left column above: 3 more. Count the right column above: 3 more. Total: $5 + 3 + 3 = 11$ unit squares.
- 17) **Choice A is correct.** **3.3(G)** $\frac{2}{6}$ and $\frac{1}{3}$ equal the same amount.
- 18) **The correct answer is 48 square feet.** **3.6(C)** Area = length \times width, so $8 \times 6 = 48$ square feet.
- 19) **Choice B is correct.** **3.3(G)** Pie 2 shows $\frac{1}{2}$ (half shaded) and Pie 3 shows $\frac{4}{8}$ (half shaded). These are equivalent because $\frac{1 \times 4}{2 \times 4} = \frac{4}{8}$.
- 20) **Choice C is correct.** **3.6(D)** First: $5 \times 3 = 15$ sq units. Two others: $2 \times 3 = 6$ each. Total: $15 + 6 + 6 = 27$ sq units.
- 21) **Choice A is correct.** **3.5(D)** This problem requires division: $24 \div 8 = \square$. We use the unknown-factor strategy: $\square \times 8 = 24$. The multiplication fact $8 \times 3 = 24$ tells us each student gets 3 crayons. We find the missing factor using multiplication.
- 22) **Choice D is correct.** **3.4(B)** The tens digit is 8. Since $8 \geq 5$, round up: 589 rounds to 600.
- 23) **Choice A is correct.** **3.6(C)** Shape W is $2 \times 2 = 4$ unit squares. Shape X is $3 \times 1 = 3$ unit squares. Since $4 > 3$, Shape W has more unit squares.
- 24) **Choice B is correct.** **3.7(A)** Shorter than $6\frac{3}{4}$ inches includes 6 , $6\frac{1}{4}$, and $6\frac{1}{2}$ inches: that is $1 + 2 + 3 = 6$ pencils.
- 25) **Choice C is correct.** **3.6(D)** $11 \times 3 = 33$ unit square patches.
- 26) **Choice A is correct.** **3.5(A)** On Scale 1, the left side is 500 g and the right side is 400 g, so the left side weighs more. On Scale 2, both sides are equal.
- 27) **Choice A is correct.** **3.7(C)** $6 : 11 - 26 \text{ min} = 5 : 45 \text{ PM}$.



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Hi, Hero!

◇ Once there was a Grade 3 student who took 9 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.

Jay Daie

Your Math Storyteller

STRONG TODAY. SUCCESS TOMORROW.

Give your child the tools they need to excel in **Grade 3 Math!** This book includes **9 complete practice tests** that follow grade-level standards and help students build confidence, sharpen skills, and achieve success.

9
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- ✓ Perimeter, Area & Volume
- ✓ And More!



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Aligned to Standards



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