7 Texas STAAR GRADE 5 MATHEMATICS PRACTICE TESTS

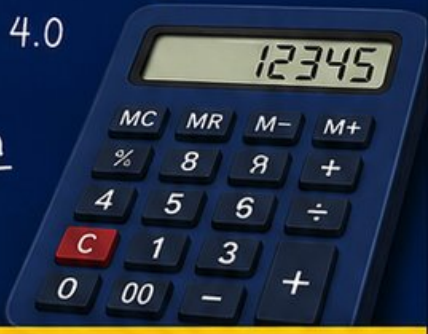
PRACTICE
PREPARE
SUCCEED

Comprehensive Standards-Aligned Review for Strong Grade 5 Math Performance

$\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$

$2.4 + 1.6 = 4.0$

$A = \frac{bh}{2}$



7 FULL-LENGTH PRACTICE TESTS
Realistic style questions

STANDARDS-ALIGNED
Covers all Grade 5 standards

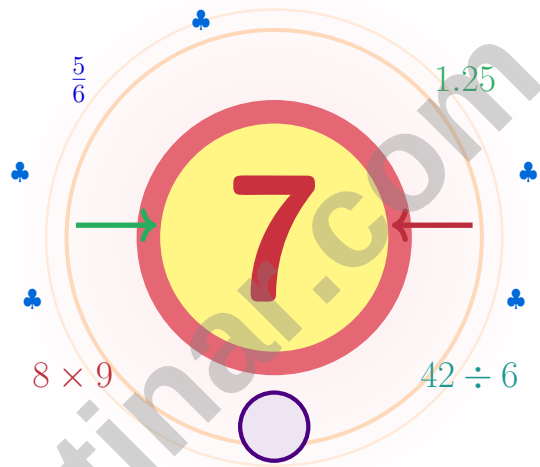
BUILD CONFIDENCE
Target weak areas and improve performance

ACHIEVE SUCCESS
Develop skills, stay prepared, excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. SUCCEED FOREVER. ★

7 Texas STAAR Grade 5 Math Practice Tests

A seven-step adventure for Texas Grade 5 thinkers



Seven full tests, a concise review, and helpful support that turns Grade 5 practice in The Lone Star State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari

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Strap In, Texas – Seven-Test Journey

Seven full tests and a coach's voice on every page

Texas Mathematicians, Read This First

This practice book is your steady companion for seven tests, not a place to be perfect. Math is like a Texas sky – huge, wide, and full of room for one careful thought after another.

Use these seven tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

Read

Read every word twice and underline what is asked.

Solve

Choose the cleanest method and show your steps.

Reflect

Look back to find what worked and what to fix.

A strong habit for Texas mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

From Cover to Final Test

A simple routine that turns practice into progress

Step 1: Power Up

Sharpen your math brain with the quick review.

Spend a few minutes waking up your memory before the test begins.

Step 2: Trail Run

Take a full practice test in a quiet spot.

Work in a calm spot and focus on careful thinking before speed.

Step 3: Debrief

Score honestly and circle missed questions.

Circle missed questions and notice which topics keep showing up.

Step 4: Repair

Fix the missed work and lock the lesson in.

Read the explanation, repair the work, and bring that lesson into the next test.

A Good 7-Week Texas Rhythm

Week 1	Take Test 1 like the first mile of a long ranch trail.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 with calm, careful, confident work.

Table of Contents

Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle	$P = 2l + 2w$ or $P = 2(l + w)$
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1) The output is double the input, then 1 less. For input 6, what is the output?

☐ A. 10
☐ B. 12
☐ C. 13
☐ D. 11

2) Compare without calculating: $9 \times (18 + 32) \square (9 \times 18) + 32$

☐ A. $>$
☐ B. $<$
☐ C. $=$
☐ D. Cannot tell

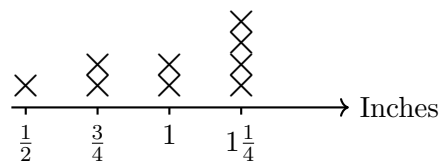
3) A runner jogs 6.5 miles. She has already run 4.18 miles. How many more miles does she need to run?

☐ A. 3.15 miles
☐ B. 2.42 miles
☐ C. 2.27 miles
☐ D. 2.32 miles

4) A solid figure has volume 30 cubic units. If it is 5 cubes long and 3 cubes wide, how tall is it?

Record your answer in the space provided.

5) The line plot shows the lengths of bookmark strips, in inches:



What is the total length of all the bookmark strips?

☐ A. 8 inches
☐ B. $8\frac{1}{2}$ inches
☐ C. 9 inches
☐ D. $9\frac{1}{2}$ inches

6) Evaluate the expression carefully: $10 + 2 \times (8 - 3) \div 5$

☐ A. 12
☐ B. 14
☐ C. 20
☐ D. 30

7) Evaluate: $(4 \times 5) + (12 \div 3)$

☐ A. 12
☐ B. 20
☐ C. 24
☐ D. 32

8) A coupon gives you \$8.50 off a purchase. If the original price is \$64.75, what is the final price after applying the coupon?

☐ A. \$54.25
☐ B. \$58.25
☐ C. \$56.25
☐ D. \$60.25

9) Estimate $2,345 \div 59$ using compatible numbers:

☐ A. $2,400 \div 60 = 40$
☐ B. $2,100 \div 70 = 30$
☐ C. $2,000 \div 50 = 40$
☐ D. $2,500 \div 75 = 33$

10) What is 5.6×1.5?

☐ A. 8.1
☐ B. 8.3
☐ C. 8.4
☐ D. 9.1

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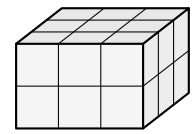
1) A toy store receives a shipment of toy cars. There are 24 boxes with 35 cars in each box. How many toy cars are in the shipment?

☐ A. 830
☐ B. 840
☐ C. 850
☐ D. 860

2) If a $3 \times 3 \times 3$ cube is built, then one layer is removed from the top, how many unit cubes remain?



☐ A. 9 unit cubes
☐ B. 18 unit cubes
☐ C. 27 unit cubes
☐ D. 19 unit cubes

3) Find: $\frac{5}{6} \times \frac{3}{10}$.

Record your answer in the space provided.

4) What is the missing numerator? $\frac{3}{4} = \frac{?}{12}$

☐ A. 6
☐ B. 8
☐ C. 9
☐ D. 12

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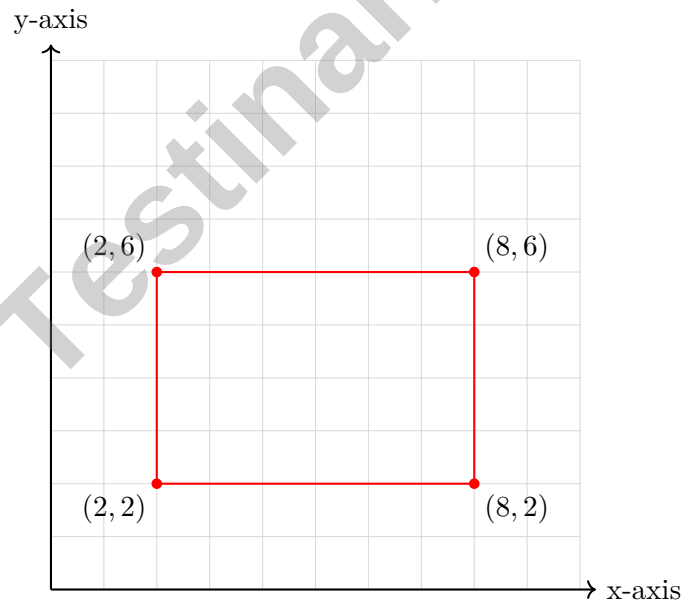
1) A student calculates $V = 4 + 3 + 6 = 13$ for dimensions $l = 4$ m, $w = 3$ m, $h = 6$ m. What error was made?

☐ A. She added instead of multiplying.
☐ B. She used the wrong unit.
☐ C. The answer is correct.
☐ D. She divided instead of multiplying.

2) Write an expression for: multiply 6 by 10, then divide the result by 2.

Record your expression in the space provided.

3) A design on the grid has vertices at $(2, 2)$, $(2, 6)$, $(8, 6)$, and $(8, 2)$. What is the perimeter of this shape in units?



☐ A. 20 units
☐ B. 24 units
☐ C. 28 units
☐ D. 16 units

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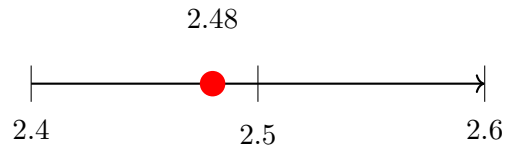
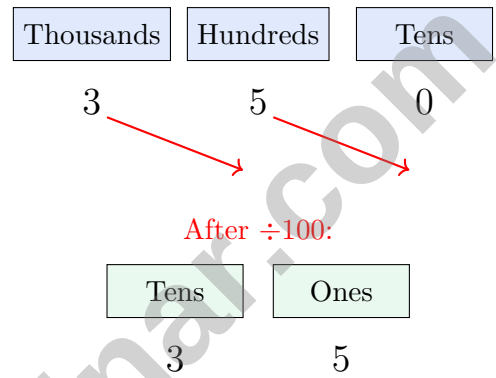
1) Round 2.48 to the nearest tenth. Use the number line to help.



☐ A. 2.4
☐ B. 2.48
☐ C. 2.6
☐ D. 2.5

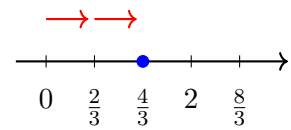
2) Use the place-value diagram to find $3,500 \div 100$:



What is $3,500 \div 100$?

☐ A. 3.5
☐ B. 35
☐ C. 350
☐ D. 35,000

3) A number line shows repeated jumps of $\frac{2}{3}$:



This shows $2 \times \frac{2}{3}$. What is the answer?

☐ A. $\frac{2}{3}$
☐ B. $\frac{2}{6}$
☐ C. $\frac{4}{6}$
☐ D. $\frac{4}{3}$ or $1\frac{1}{3}$

Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

1) **Choice D is correct.** 5.8(B) Substitute $x = 6$ into the rule. First double 6 to get 12, then subtract 1: $12 - 1 = 11$.
2) **Choice A is correct.** 5.4(F) The left expression multiplies both 18 and 32 by 9. The right expression multiplies only 18 by 9, then adds one 32, so the left expression is greater.
3) **Choice D is correct.** 5.3(A) $6.50 - 4.18 = 2.32$ miles. Annex a zero to 6.5 for alignment.
4) **The correct answer is 2.** 5.6(A) $30 \div (5 \times 3) = 30 \div 15 = 2$.
5) **Choice C is correct.** 5.9(A) Add the lengths shown: $\frac{1}{2} + 2\left(\frac{3}{4}\right) + 2(1) + 4\left(1\frac{1}{4}\right) = \frac{1}{2} + 1\frac{1}{2} + 2 + 5 = 9$ inches.
6) **Choice A is correct.** 5.4(F) Parentheses first: $8 - 3 = 5$. Then multiply and divide from left to right: $2 \times 5 = 10$ and $10 \div 5 = 2$. Finally, $10 + 2 = 12$.
7) **Choice C is correct.** 5.4(F) Evaluate inside each set of parentheses: $4 \times 5 = 20$ and $12 \div 3 = 4$. Then add: $20 + 4 = 24$.
8) **Choice C is correct.** 5.4(B) Choose the operation from the story, then keep the unit with the answer. Subtract: $64.75 - 8.50 = 56.25$ dollars. This confirms the answer.
9) **Choice A is correct.** 5.3(G) Use compatible numbers: $2,345 \approx 2,400$ and $59 \approx 60$. So $2,400 \div 60 = 40$.
10) **Choice C is correct.** 5.3(E) Multiply: $56 \times 15 = 840$, then place decimal two places from right: $8.40 = 8.4$.
11) **Choice A is correct.** 5.8(B) Using horizontal and vertical grid steps, add the right steps and up steps. Point A needs $2 + 2 = 4$ steps from the origin, while the other points need more steps.
12) **Choice B is correct.** 5.3(H) $\frac{5}{6} - \frac{1}{6} = \frac{4}{6} = \frac{2}{3}$. The missing addend is $\frac{2}{3}$.
13) **Choice D is correct.** 5.4(F) One half of an amount means split that amount into 2 equal parts. So half of $(24 + 6)$ is $(24 + 6) \div 2$.
14) **Choice B is correct.** 5.4(B) Total used: $47.5 + 38.25 = 85.75$ liters. Remaining: $150 - 85.75 = 64.25$ liters.
15) **Choice A is correct.** 5.6(B) Area $= \frac{2}{3} \times \frac{3}{5} = \frac{6}{15}$ square meters.
16) **Choice B is correct.** 5.3(H) Common denominator 24: $\frac{1}{3} = \frac{8}{24}$ and $\frac{3}{8} = \frac{9}{24}$. Total: $\frac{8}{24} + \frac{9}{24} = \frac{17}{24}$ mile.
17) **The correct answer is $2\frac{2}{3}$.** 5.3(H) Rewrite $5\frac{1}{3} = 4\frac{4}{3}$ (borrow). Subtract: $(4 - 2) + (\frac{4}{3} - \frac{2}{3}) = 2\frac{2}{3}$.
18) **The correct answer is 6480.** 5.6(B) $30 \times 18 \times 12 = 6{,}480$ in^3.
19) **Choice D is correct.** 5.8(C) The first number tells how far to move right, and the second number tells how far to move up. Move 3 right and 1 up to get $(3, 1)$.
20) **Choice B is correct.** 5.3(J) Since $5 \div \frac{1}{5} = 5 \times 5 = 25$, the whole number is 5.
21) **Choice D is correct.** 5.6(B) Dividing by 1,000 moves the decimal point three places to the left. $9,200 \div 1,000 = 9.2$.
22) **Choices A, B are correct.** 5.2(A) 0.407 is four hundred seven thousandths, which is $\frac{407}{1000}$. C and D equal 0.47.
23) **Choice C is correct.** 5.6(B) A, B, D are all true. C is FALSE: $8.4 \div 10 = 0.84$, not 8.4. (Dividing doesn't leave the number unchanged.)
24) **Choice C is correct.** 5.9(A) Count X marks above $\frac{3}{8}$ on the line plot. There are 4 X marks.
25) **The correct answer is 5 rectangles.** 5.5 Subtract the squares from all rectangles: $9 - 4 = 5$. So 5 rectangles are not squares.
26) **Choice D is correct.** 5.3(J) $\frac{1}{3} \div 6 = \frac{1}{3} \times \frac{1}{6} = \frac{1}{18}$.
27) **Choice C is correct.** 5.6(B) Multiplying by 1,000 moves the decimal three places right: $0.65 \to 6.5 \to 65 \to 650$.
28) **Choice C is correct.** 5.7 First convert yards to feet: 3 yards = 9 feet. Add 2 feet to get 11 feet. Then convert to inches: $11 \times 12 = 132$ inches.
29) **Choice B is correct.** 5.8(A) In an ordered pair (x, y), the y represents the vertical distance (how far up) from the origin.

Dear Student,

⋆ When you completed seven practice tests, you proved you can do hard things. The secret was not magic—it was your step-by-step work. ⋆

◇ **Professional tip:** big problems become small when you break them into parts. One good step is better than ten rushed steps. ◇

My 4-Step Plan

- **Understand:** what is the question asking?
- **Plan:** what operation or model should I use?
- **Solve:** show steps neatly.
- **Check:** estimate or substitute to see if it makes sense.

Keep trusting your process. You built it through seven tests, and it will support you on test day. Email me at reza@testinar.com if you want to share how you improved.

Reza Nazari & Jay Daie

Your Math Coaches (Step by Step)

PRACTICE TODAY.
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- ✓ Summer Learning
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PRACTICE
PREPARE
SUCCEED
★★★

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Every step of the way.