

10 COMPLETE

Texas

STAAR

GRADE 5

MATH

PRACTICE TESTS

Standards-Based Review with
Mixed Practice and Detailed Answer Key



10 Complete Practice Tests

Build confidence and test readiness



Standards-Based Review

Covers key Grade 5 math standards



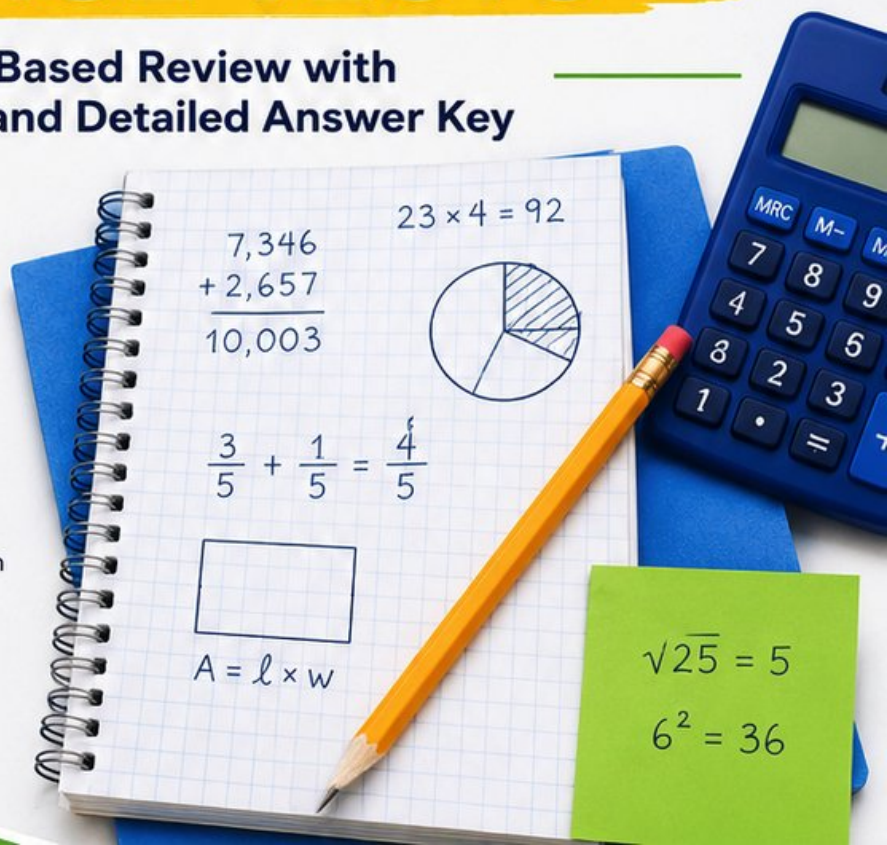
Mixed Practice

Variety of question types to strengthen skills



Detailed Answer Key

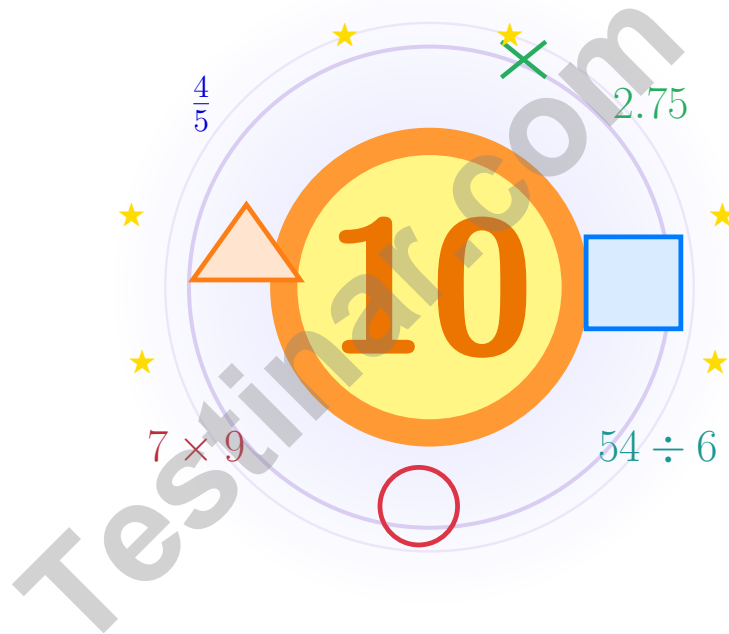
Step-by-step explanations for every question



**PREPARE.
PRACTICE.
SUCCEED!**

10 Texas STAAR Grade 5 Math Practice Tests

Bright review, thoughtful practice, and steady confidence for Grade 5



Ten full tests, a focused quick review, and student-friendly support that keeps practice clear and encouraging.

Jay Daie and Reza Nazari



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome!

This book is a place to practice bravely and think clearly

Dear Grade 5 Mathematician

This book gives you ten chances to read carefully, solve thoughtfully, and build steady math confidence. Some problems will feel friendly right away. Some will take more patience. Both kinds help you grow.

The goal is not to feel perfect before you begin. The goal is to practice honest effort, learn from corrections, and notice how much stronger your thinking becomes over time.

Read

Slow down and understand the task.

Solve

Show clear steps and good choices.

Learn

Use mistakes as clues for what comes next.

A strong habit from the start: keep your work neat, estimate when it helps, write units carefully, and do not let one hard problem decide your mood for the whole page.



How to Use This Book

A simple routine that turns practice into real progress

Step 1

Warm up with the quick review.

Spend a few minutes refreshing the ideas before the test begins.

Step 2

Take one full practice test.

Work in a calm spot and aim for careful thinking before speed.

Step 3

Check your work honestly.

Circle missed questions and notice which skills need another look.

Step 4

Fix and reflect.

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



A Good 10-Week Rhythm

Week 1	Take Test 1 and notice your starting strengths.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and sharpen multiplication and division checks.
Week 4	Take Test 4 and focus on fractions and decimals.
Week 5	Take Test 5 and watch your labels and units closely.
Week 6	Take Test 6 and practice calmer pacing.
Week 7	Take Test 7 and compare your habits with the earlier weeks.
Week 8	Take Test 8 and focus on tidy, checkable work.
Week 9	Take Test 9 and compare your progress with the way you worked in the earlier weeks.
Week 10	Take Test 10 and finish with steady, confident effort while using every strong habit you built.



Table of Contents

★ Practice Test 1	_____	22
★ Practice Test 2	_____	38
★ Practice Test 3	_____	53
★ Practice Test 4	_____	68
★ Practice Test 5	_____	83
★ Practice Test 6	_____	97
★ Practice Test 7	_____	113
★ Practice Test 8	_____	125
★ Practice Test 9	_____	139
★ Practice Test 10	_____	152
Practice Test Answer Keys	_____	168
Practice Test Answers and Explanations	_____	174

Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

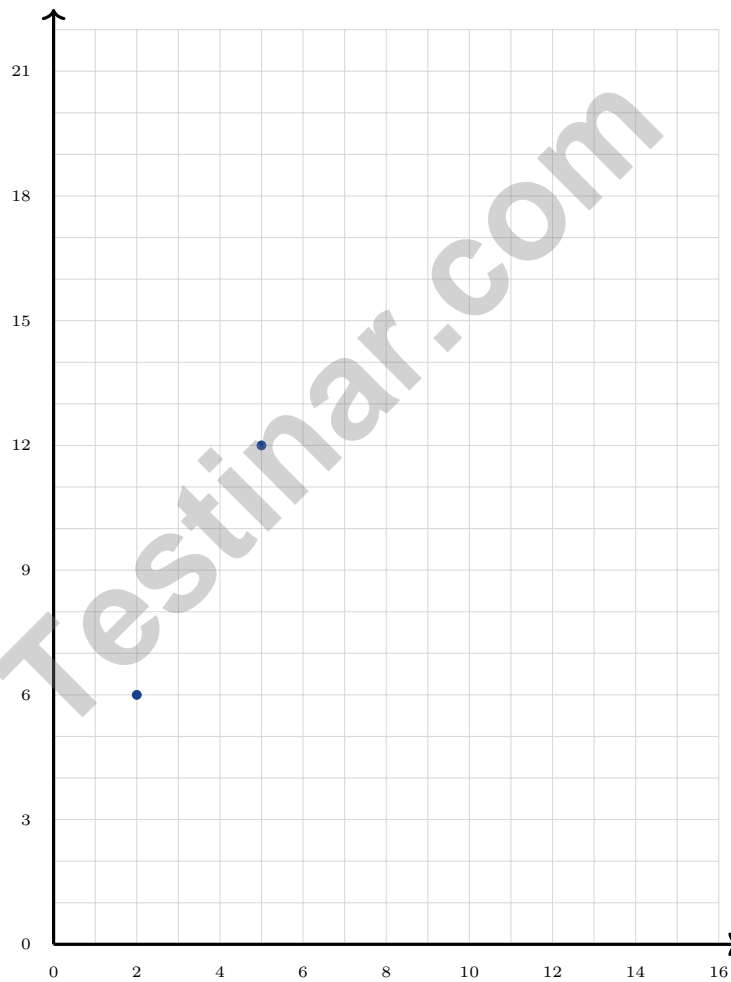
1 day = 24 hours (hr) 1 year = 52 weeks



- 1) A farmer needs fencing for three pastures: Pasture A: 180 meters, Pasture B: 165 meters, Pasture C: 225 meters.

If fencing costs 12 dollars per meter, what is the total cost?

- A. \$5,400 C. \$6,840
 B. \$6,120 D. \$7,200
- 2) A pattern's y -value can be found from its x -value using the rule. If the first ordered pair is $(2, 6)$ and the pattern adds 3 to x and 6 to y each time, what is the third ordered pair?



- A. $(8, 18)$ C. $(9, 18)$
 B. $(11, 24)$ D. $(8, 17)$



Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

1 day = 24 hours (hr) 1 year = 52 weeks



1) Which whole number divided by $\frac{1}{3}$ gives 12?

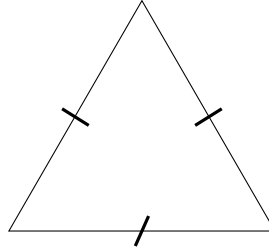
A. 3

C. 6

B. 4

D. 8

2) All three sides of the triangle are marked equal. Identify both its side and angle classifications.



A. Isosceles acute

C. Scalene acute

B. Equilateral right

D. Equilateral acute

3) Which symbol makes the statement true? $7 \times (8 + 2)$ 7×10

A. >

C. =

B. <

D. Cannot tell

4) What is $8000 \div 10^2$?

A. 80

C. 8000

B. 800

D. 80000

5) Which comparison is correct?

A. $5 \times \frac{7}{8} > 5$

C. $5 \times \frac{7}{8} < 5$

B. $5 \times \frac{7}{8} = 5$

D. $5 \times \frac{7}{8}$ is undefined



39) Which expression has the fewest zeros in its product?

A. 3×10

B. 40×50

C. 20×50

D. 25×20

40) What is $15 \div \frac{1}{3}$?

A. 15

B. 30

C. 45

D. 60

Testinar.com

End of Practice Test

Nice work. Pause, breathe, and check your answers with care.



Grade 5 Mathematics

10

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



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.

Testinar.com



Scan me

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice C is correct.** **5.4(B)** Total fencing: $180 + 165 + 225 = 570$ meters. Cost: $570 \times 12 = 6,840$ dollars.
- Choice A is correct.** **5.8(B)** Starting at $(2, 6)$: add 3 to x and 6 to y gives $(5, 12)$; then $(8, 18)$.
- Choice A is correct.** **5.2(B)** In the tenths place: 4 tenths $<$ 5 tenths, so $0.45 < 0.54$.
- Choice A is correct.** **5.4(G)** Use the rectangular-prism volume formula: $11 \times 5 \times 8 = 440$. So the volume is 440 cubic centimeters.
- Choice B is correct.** **5.3(J)** $\frac{1}{8} \div 5 = \frac{1}{8} \times \frac{1}{5} = \frac{1}{40}$.
- Choice B is correct.** **5.4(F)** Start with the product 4×9 . Adding 7 to that product gives $4 \times 9 + 7$.
- Choice B is correct.** **5.8(B)** Multiply the input by 10. For input 6, $10 \times 6 = 60$, so the ordered pair is $(6, 60)$.
- The correct answer is 0.24.** **5.3(E)** $4 \times 6 = 24$. Two decimal places total in factors, so 0.24.
- Choice B is correct.** **5.6(B)** The table shows $205.7 \div 100 = 2.057$. Move decimal 2 places left.
- The correct answer is $\frac{2}{5}$.** **5.6(B)** $3 \times 5 = 15$ small parts; overlap is $2 \times 3 = 6$, giving $\frac{6}{15} = \frac{2}{5}$.
- Choice D is correct.** **5.2(C)** The tenths place is 5. The hundredths place is 4. Since $4 < 5$, keep 5. So 12.542 rounds to 12.5.
- Choice D is correct.** **5.3(J)** Each row shows $\frac{2}{5}$. Three rows make $3 \times \frac{2}{5} = \frac{6}{5}$, which is one whole and one fifth more.
- Choice A is correct.** **5.3(I)** Pattern H is twice Pattern G: $3 \times 2 = 6$, $6 \times 2 = 12$, $9 \times 2 = 18$, $12 \times 2 = 24$, $15 \times 2 = 30$.
- The correct answer is $\frac{1}{24}$.** **5.3(J)** A complete response shows one whole divided into 6 equal sixths, then one sixth divided into 4 equal parts. That makes 24 equal parts in the whole, so each part is $\frac{1}{24}$.
- Choice C is correct.** **5.3(G)** $1,632 \div 24 = 68$ plots. Check: $24 \times 68 = 1,632$.
- Choice C is correct.** **5.9(A)** There are three throws at $25\frac{1}{2}$ feet, for a total of $76\frac{1}{2}$ feet. There are two throws at $24\frac{1}{2}$ feet, for a total of 49 feet. The difference is $76\frac{1}{2} - 49 = 27\frac{1}{2}$ feet.
- Choice B is correct.** **5.3(H)** Borrow 1: $16\frac{2}{6} = 15\frac{8}{6}$. Then $15\frac{8}{6} - 9\frac{4}{6} = 6\frac{4}{6} = 6\frac{2}{3}$.
- Choice A is correct.** **5.3(H)** If the only shared factor is 1, the product of the denominators is the smallest common multiple. If they share a larger factor, the product is still a common denominator, but it is not the least one.
- Choices A, B are correct.** **5.6(B)** Multiplying by 10 moves 4.56 one place right to 45.6, and dividing by 10 moves it one place left to 0.456. C keeps the same value, and D moves too far left.
- Choice C is correct.** **5.3(J)** $3 \div \frac{1}{3} = 3 \times 3 = 9$. There are 9 segments.
- Choice C is correct.** **5.3(I)** $15 \times 1 = 15$ and $\frac{4}{3} > 1$, so $15 \times \frac{4}{3} > 15$. Multiplying by a number greater than 1 enlarges the quantity.
- Choice B is correct.** **5.3(I)** Both expressions multiply 7 by a fraction. Since $\frac{2}{3} > \frac{1}{2}$, $7 \times \frac{2}{3}$ has the larger value.
- Choice D is correct.** **5.3(H)** Planted: $\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$. Unplanted: $1 - \frac{7}{10} = \frac{3}{10}$.
- Choice B is correct.** **5.8(B)** Compare matching figures: $2 = 2 \times 1$, $8 = 2 \times 4$, $14 = 2 \times 7$, and $20 = 2 \times 10$. Pattern B has twice as many dots as Pattern A.
- Choice D is correct.** **5.3(A)** A: 7.25; B: 7.25; C: 7.55; D: 4.25. Option D is smallest.
- Choice B is correct.** **5.8(C)** Both stores have the same y -coordinate (8), so they are on a horizontal line. The distance is $10 - 6 = 4$ units.
- Choice B is correct.** **5.3(H)** Add wholes: $4 + 3 = 7$. Add fractions: $\frac{3}{5} + \frac{2}{5} = 1$. Total: 8.
- Choice C is correct.** **5.10(C)** $\frac{4}{11} \approx \frac{1}{2}$ and $\frac{6}{13} \approx \frac{1}{2}$. So $\frac{4}{11} + \frac{6}{13} \approx \frac{1}{2} + \frac{1}{2} = 1$.
- The correct answer is $\frac{2}{3}$.** **5.3(H)** Reduce each fraction by dividing the numerator and denominator by the same number. $\frac{6}{9}$ and $\frac{8}{12}$ both simplify to $\frac{2}{3}$.



Mathematical Explorer's Journey

Welcome, Brave Explorer!

◇ Phenomenal expedition! You've successfully navigated through 10 mathematical territories, exploring every concept and discovering new strategies along the way! You've mapped out the landscape of Grade 5 math with the courage of a true adventurer. Each problem was uncharted territory, and you charted it with skill and determination! ◇

★ **Wisdom from veteran explorers:** the most rewarding journeys are the ones that challenge you most. Through 10 comprehensive practice tests, you've climbed mathematical mountains, crossed conceptual rivers, and discovered solutions in places you didn't know existed. Your exploration skills are strong, your map is detailed, and you're ready for any test-day adventure! ★

Explorer's Achievement Map

- **Territory Covered:** You've explored every major mathematical concept thoroughly!
- **Navigation Skills:** You can find your way through any problem with multiple solution paths!
- **Equipment Mastered:** You know exactly which strategies to use in different situations!
- **Expedition Ready:** You're fully prepared for the ultimate test day adventure!

Important explorer wisdom: experienced adventurers always review their maps before important journeys. Take a few moments before test day to mentally review your successful strategies. Visualize yourself confidently tackling each type of problem. You've already proven you can handle the expedition!

If you'd like to share your experience or have questions, please email me at reza@testinar.com. I'd love to hear from you!

Reza Nazari & Jay Daie

Your Math Teacher and Test-Day Coach

PRACTICE TODAY. MASTER TOMORROW.

Give your child the confidence to excel in **Grade 5 Math!**
This book includes **10 complete practice tests** designed to build strong skills, improve test readiness, and achieve success.



10

COMPLETE
PRACTICE
TESTS

- ✓ Realistic. Rigorous.
- ✓ Results-Driven.

More practice today for a **stronger** tomorrow.



THIS BOOK HELPS YOUR CHILD:



Build Confidence

Familiar, focused practice reduces anxiety and boosts self-belief.



Strengthen Skills

Reinforces key math concepts through high-quality, standards-aligned questions.



Improve Test Readiness

Full-length tests help students understand test format, pacing, and question types.



Track Progress

Identify strengths and target areas with purposeful practice.



Achieve Success

Better preparation leads to higher scores and bright futures.

COVERS ALL ESSENTIAL TOPICS

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



Visit testinar.com/math5

for more Grade 5 math resources and practice materials!



Aligned to Standards



Created by Educators



Trusted by
Parents & Teachers