

10 COMPLETE Missouri MAP

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



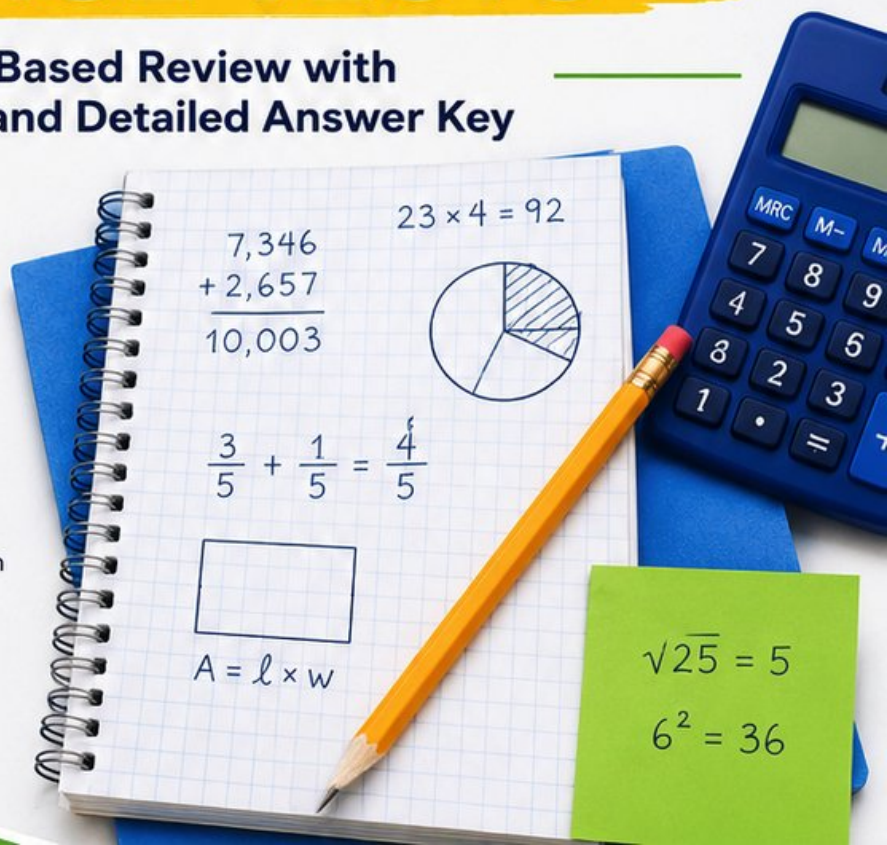
Mixed Practice

Variety of question types to strengthen skills



Detailed Answer Key

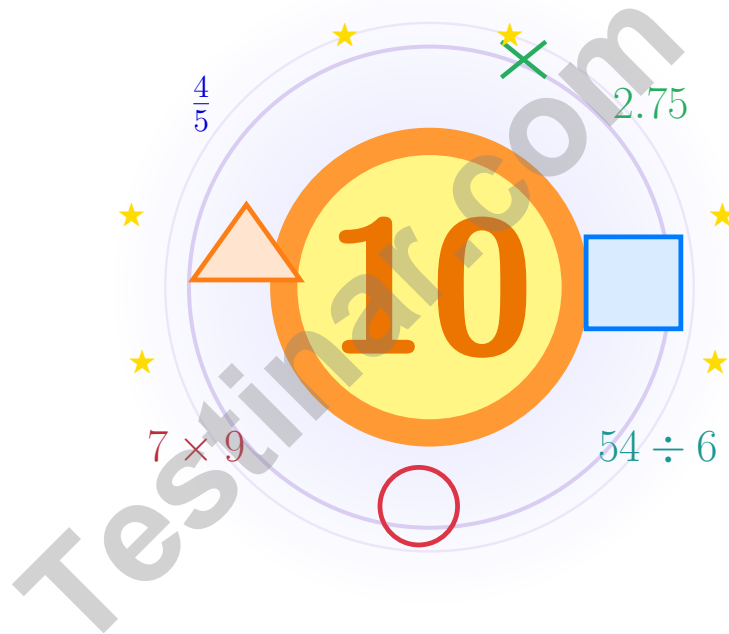
Step-by-step explanations for every question



PREPARE.
PRACTICE.
SUCCEED!

10 Missouri MAP 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.



Scan me

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	_____	20
★ Practice Test 2	_____	35
★ Practice Test 3	_____	51
★ Practice Test 4	_____	65
★ Practice Test 5	_____	81
★ Practice Test 6	_____	95
★ Practice Test 7	_____	110
★ Practice Test 8	_____	125
★ Practice Test 9	_____	137
★ Practice Test 10	_____	149
Practice Test Answer Keys	_____	164
Practice Test Answers and Explanations	_____	170

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

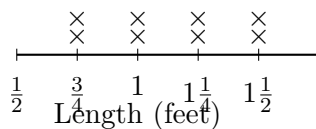
1 day = 24 hours (hr)

1 year = 52 weeks



1) The line plot displays lengths of string, in feet:

String Lengths



What is the total length of the strings that are $1\frac{1}{4}$ feet long?

- A. $1\frac{1}{4}$ feet
- B. 5 feet
- C. $3\frac{3}{4}$ feet
- D. $2\frac{1}{2}$ feet

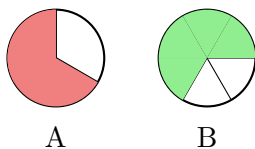
2) Find: 819×45 .

Record your answer in the space provided.

3) What is $480 \div 10$?

- A. 48
- B. 4,800
- C. 4.8
- D. 0.48

4) Use fraction circles. Which statement correctly describes the two pictures?



- A. Only Picture A shows $\frac{2}{3}$.
- B. Only Picture B shows $\frac{2}{3}$.
- C. Both show the same amount
- D. Neither

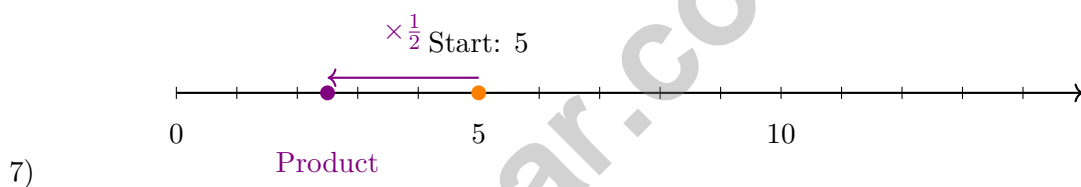


- 5) Pattern A: 0, 2, 4, 6, 8. Pattern B: 0, 4, 8, 12, 16. For the nonzero matching terms, each B value is how many times the corresponding A value?

Record your answer in the space provided.

- 6) Fabric pieces: $1\frac{5}{8}$ m and $2\frac{3}{8}$ m. Joined length?

- | | |
|---------------------------------|--|
| <input type="checkbox"/> A. 3 m | <input type="checkbox"/> C. $4\frac{1}{4}$ m |
| <input type="checkbox"/> B. 4 m | <input type="checkbox"/> D. $4\frac{1}{2}$ m |



Where does the product land when 5 is scaled by $\frac{1}{2}$?

- | | |
|---|-----------------------------------|
| <input type="checkbox"/> A. At 1 | <input type="checkbox"/> C. At 5 |
| <input type="checkbox"/> B. At $2\frac{1}{2}$ | <input type="checkbox"/> D. At 10 |



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

A. $\frac{12}{5}$

B. 4

C. $\frac{2}{18}$

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

2) Which pair of triangle descriptions can occur together?

 A. Right and equilateral B. Acute and obtuse C. Right and isosceles D. Isosceles and scalene

3) Compare: $36 \div 4$ $36 \div 6$

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

4) Three hikers cover $2\frac{1}{8}$ miles, $3\frac{5}{7}$ miles, and $1\frac{9}{11}$ miles. Estimate the total distance.

 A. About 6 miles B. About 7 miles C. About 8 miles D. About 9 miles

5) Find the volume: $L = 8$ ft, $W = 3$ ft, $H = 4$ ft.

Record your answer in the space provided.

6) A storage locker has a base that is 10 ft by 6 ft. If the volume is 360 ft^3 , how tall is the locker?

 A. 12 ft B. 8 ft C. 10 ft D. 6 ft

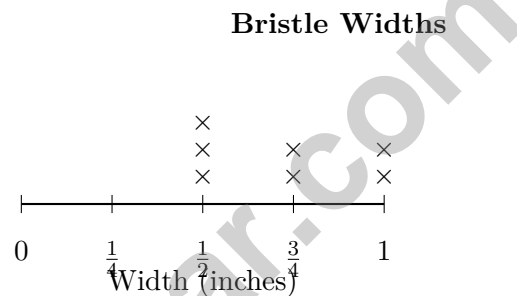
38) How many pints are in 3 quarts?

- A. 3 pints C. 8 pints
 B. 4 pints D. 6 pints

39) A map shows a restaurant at (2, 7) and a gas station at (8, 7). These locations are on the same:

- A. Vertical line C. Diagonal line
 B. Horizontal line D. Curved line

40) The line plot displays widths (in inches) of paint brush bristles:



What is the total number of brushes measured?

- A. 5 C. 7
 B. 6 D. 8

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 D is correct.** (5.DS.A.2) There are 2 strings that are $1\frac{1}{4}$ feet long, so the total is $1\frac{1}{4} + 1\frac{1}{4} = 2\frac{1}{2}$ feet.
- The correct answer is 36855.** (5.NBT.A.8) $819 \times 5 = 4,095$ and $819 \times 40 = 32,760$. Sum: $4,095 + 32,760 = 36,855$.
- Choice A is correct.** (5.NBT.A.4) Dividing by 10 moves the decimal point one place to the left. $480 \div 10 = 48$.
- Choice C is correct.** (5.NF.B.6) Picture A shows $\frac{2}{3}$ (two thirds). Picture B shows $\frac{4}{6}$ (four sixths). Since $\frac{2}{3} = \frac{4}{6}$, both pictures represent the same amount.
- The correct answer is 2.** (5.RA.A.1) Compare: $4 = 2 \times 2$, $8 = 2 \times 4$, etc. Each B term is 2 times its A term.
- Choice B is correct.** (5.NF.B.6) Add: $1\frac{5}{8} + 2\frac{3}{8} = 3\frac{8}{8} = 4$ m.
- Choice B is correct.** (5.NF.B.7) $5 \times \frac{1}{2} = 2\frac{1}{2}$. The product is halfway between 0 and 5 because the scaling factor is $\frac{1}{2}$.
- Choice B is correct.** (5.GM.C.6) Both points W at (7, 3) and Y at (7, 7) have x-coordinate 7. Point X at (3, 7) has x-coordinate 3.
- Choice A is correct.** (5.GM.B.5) Find each part first: Prism A is $4 \times 2 \times 5 = 40$ cubic centimeters, and Prism B is $3 \times 3 \times 3 = 27$ cubic centimeters. Because the parts do not overlap, add them: $40 + 27 = 67$ cubic centimeters.
- Choice B is correct.** (5.NF.B.8) Splitting $\frac{1}{6}$ into 2 equal parts means $\frac{1}{6} \div 2 = \frac{1}{12}$. Each small part is $\frac{1}{12}$ of the whole.
- Choice D is correct.** (5.NF.B.7) Two rows of $\frac{2}{5}$: $2 \times \frac{2}{5} = \frac{4}{5}$.
- The correct answer is $\frac{1}{8}$.** (5.NF.B.8) $\frac{1}{2} \div 4 = \frac{1}{8}$ lb. Each portion is a fair share of the half-pound block.
- Choice C is correct.** (5.NF.A.3) Comparing thousandths: 0.37 (370 thousandths) $<$ 0.375 (375 thousandths). The others are ≥ 0.375 .
- Choice A is correct.** (5.NF.B.6) Borrow 1 from 6: $5\frac{7}{5} - 3\frac{4}{5} = 2\frac{3}{5}$.
- Choice C is correct.** (5.GM.B.5) Volume = base area \times height = $35 \times 4 = 140$ cm³.
- Choice D is correct.** (5.NF.B.5) $4\frac{1}{2} = \frac{9}{2}$ and $2\frac{1}{3} = \frac{7}{3}$. Multiply: $\frac{9}{2} \times \frac{7}{3} = \frac{63}{6} = 10\frac{1}{2}$ square meters.
- Choice B is correct.** (5.NBT.A.7) Round $7.9 \approx 8$ and $2.1 \approx 2$. Then $8 \div 2 = 4$.
- Choice D is correct.** (5.RA.B.3) The product of 6 and 4 is 6×4 . The phrase “9 less than” means subtract 9 from that product, so the expression is $6 \times 4 - 9$.
- Choice C is correct.** (5.GM.B.4) Volume = $6 \times 2 \times 2 = 24$ unit cubes.
- Choice D is correct.** (5.GM.B.5) A, B, and C each give 180 cm³. D gives $90 \times 3 = 270$ cm³, so D does not give 180 cm³.
- Choice A is correct.** (5.NBT.A.4) A is correct. B equals 0.054, C is wrong, and D equals 0.054.
- Choices A, B are correct.** (5.NF.B.4) C and D are close to 0 or $\frac{1}{2}$.
- Choice D is correct.** (5.GM.A.2) Rectangles and squares have four right angles, and their opposite sides are parallel.
- Choice A is correct.** (5.DS.A.2) Team 1 used $\frac{1}{2} + \frac{1}{2} + \frac{3}{4} + 1 + 1\frac{1}{4} = 4$ yards. Team 2 used $\frac{1}{2} + \frac{3}{4} + \frac{3}{4} + 1 + 1\frac{1}{4} = 4\frac{1}{4}$ yards. The difference is $\frac{1}{4}$ yard.
- Choice B is correct.** (5.NBT.A.4) A power of 10 tells how many factors of 10 to use. $24 \times 10^2 = 24 \times 100 = 2400$. This confirms the answer.
- Choice A is correct.** (5.NBT.A.6) $8.75 - 2.36 = 6.39$ inches. Requires borrowing from tenths.
- Choice D is correct.** (5.GM.A.2) An isosceles triangle has at least two equal sides, which also means it has two equal angles. This triangle has three different angle measures, so it is right scalene, not isosceles.
- Choice A is correct.** (5.NF.B.5) $\frac{1}{7} \times \frac{3}{4} = \frac{1 \times 3}{7 \times 4} = \frac{3}{28}$.
- Choice A is correct.** (5.GM.B.5) If one fraction has denominator m and the other has denominator n , the grid has $m \times n$ total squares. The overlap squares equal the product of the numerators.
- The correct answer is \$395.50.** (5.NBT.A.6) Line up the decimal points and add the two money amounts: $\$189.00 + \$206.50 = \$395.50$. So the sandwich shop earned \$395.50 in all.
- The correct answer is 11.6.** (5.RA.C.5) Choose the operation from the story, then keep the unit with the answer. $0.08 \times 145 = 11.6$ gallons. This confirms the answer.



Champion in Training!

◇ What a season! You've completed 10 full practice tests, and that's the kind of training that builds real champions. Every test was a workout, and your math muscles are stronger today than they were before. Your stamina, focus, and accuracy have all leveled up. ◇

★ **Here's what every great coach knows:** the team that practices the most plays the best. You've put in the practice. You know the plays. You've handled the drills. Now it's almost game day, and you are ready. ★

Your Training Camp Stats

- **Math Stamina:** HIGH! You can stay focused for a full test.
- **Strategy Playbook:** LOADED! You have multiple ways to attack a problem.
- **Mistake Recovery:** STRONG! You can pick yourself up and keep going.
- **Game Day Mindset:** READY! You know how to stay calm under pressure.

Pre-game tip: the night before test day, get a great sleep. Eat a good breakfast. Bring a sharp pencil and a positive attitude. And remember—you have already trained for this. Trust your training.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Coaches (Game On!)

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