

10 COMPLETE

California

CAASPP

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



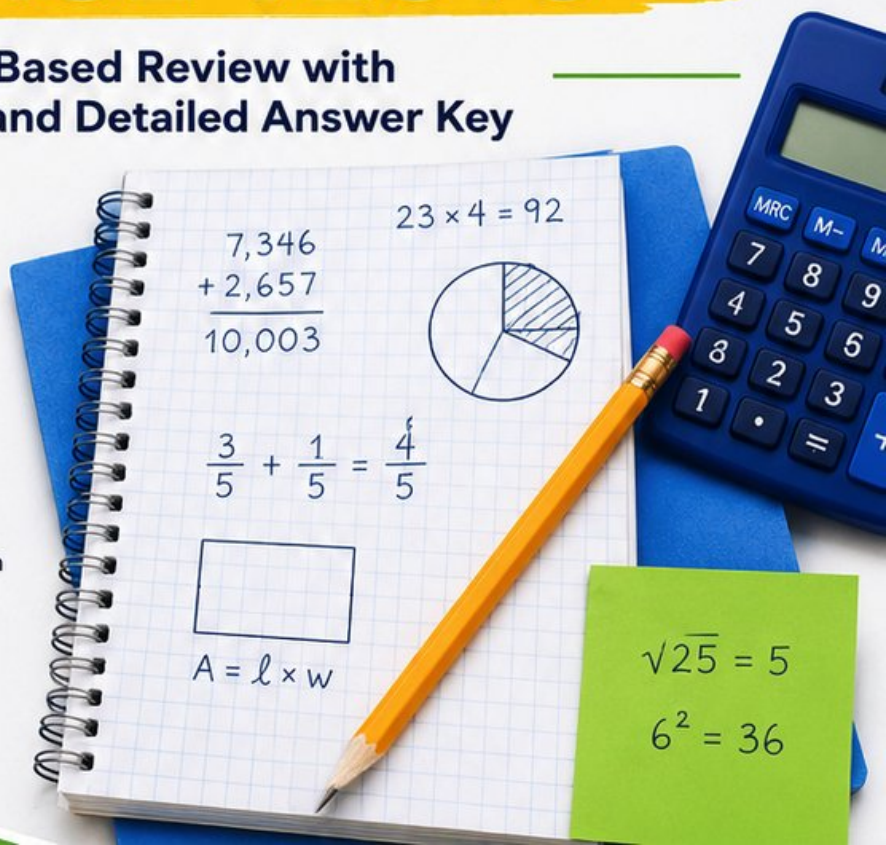
Mixed Practice

Variety of question types to strengthen skills



Detailed Answer Key

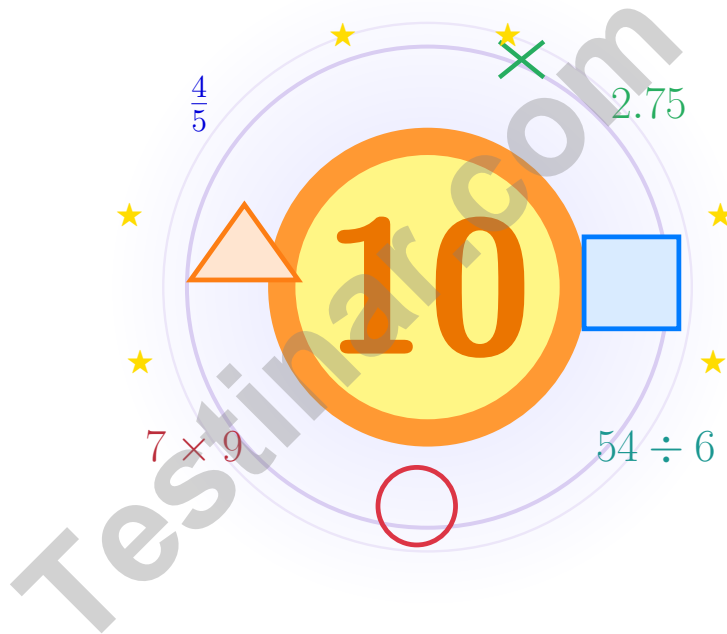
Step-by-step explanations for every question



**PREPARE.
PRACTICE.
SUCCEED!**

10 California CAASPP 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



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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.



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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 factor makes $12 \times \text{factor} < 12$ true?

A. 1

B. $1\frac{1}{10}$

C. $\frac{9}{10}$

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

2) Estimate the product 189×6 by rounding 189 to the nearest hundred, then multiply.

A. 1,000

B. 1,100

C. 1,200

D. 1,400

3) What does multiplying by 10^2 do to a number?

A. The value becomes 10 times as large

B. The value becomes 100 times as small

C. The value becomes 10 times as small

D. The value becomes 100 times as large

4) What is $\frac{2}{3} \times \frac{1}{4}$ in simplest form?

A. $\frac{2}{7}$

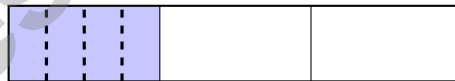
B. $\frac{3}{12}$

C. $\frac{1}{6}$

D. $\frac{3}{7}$

5) The model shows $\frac{1}{3}$ of a whole split into 4 equal parts. What fraction of the whole is each small part?

$\frac{1}{3}$ split into 4



1 whole split into 3 equal parts

A. $\frac{1}{3}$

B. $\frac{1}{12}$

C. $\frac{1}{4}$

D. $\frac{1}{7}$



6) Multi-step: Write 4.53 in word form, then identify which place the digit 5 is in.

- A. Four and fifty-three hundredths; tenths place
 B. Four and fifty-three hundredths; hundredths place
 C. Four point five three; ones place
 D. Four and five three; tenths place

7) Convert: 3 yards = ? feet.

Record your answer in the space provided.

8) Which pair of numbers are equivalent?

- A. 6.200 and 6.002
 B. 4.01 and 4.1
 C. 2.007 and 2.07
 D. 3.5 and 3.50

9) A swimming pool is $\frac{2}{3}$ full. A swimmer uses $\frac{3}{4}$ of the water currently in the pool for a training activity. What fraction of the full pool is used?

- A. $\frac{1}{2}$
 B. $\frac{2}{3}$
 C. $\frac{1}{4}$
 D. $\frac{5}{12}$

10) Pizza has 8 slices. Ben eats $\frac{3}{8}$, sister eats $\frac{1}{4}$. How much remains?

- A. $\frac{3}{8}$
 B. $\frac{1}{4}$
 C. $\frac{5}{8}$
 D. $\frac{1}{8}$



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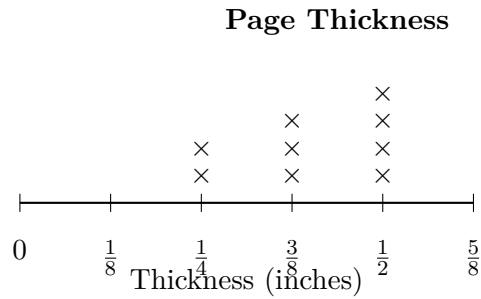
1 year = 12 months

1 day = 24 hours (hr)

1 year = 52 weeks



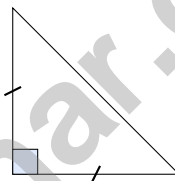
1) The line plot shows the thickness (in inches) of pages in different books:



What is the most common page thickness?

- | | |
|--|--|
| <input type="checkbox"/> A. $\frac{1}{4}$ inch | <input type="checkbox"/> C. $\frac{1}{2}$ inch |
| <input type="checkbox"/> B. $\frac{3}{8}$ inch | <input type="checkbox"/> D. $\frac{5}{8}$ inch |

2) Look at the triangle below. How should it be classified?



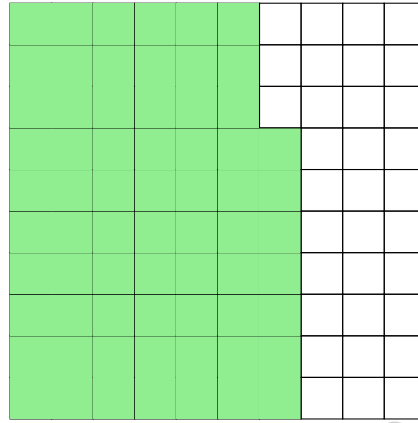
- | | |
|--|---|
| <input type="checkbox"/> A. Isosceles obtuse | <input type="checkbox"/> C. Equilateral right |
| <input type="checkbox"/> B. Scalene acute | <input type="checkbox"/> D. Isosceles right |

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

- | | |
|-------------------------------|---|
| <input type="checkbox"/> A. > | <input type="checkbox"/> C. = |
| <input type="checkbox"/> B. < | <input type="checkbox"/> D. Cannot tell |



40) Decimal grid with 67 shaded squares (out of 100). What is the decimal?



A. 0.76

B. 67

C. 6.7

D. 0.67

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.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(5.NF.5)** A product gets smaller when the factor is less than 1. Only $\frac{9}{10} < 1$, so $12 \times \frac{9}{10} < 12$.
- 2) **Choice C is correct.** **(5.NBT.5)** Round 189 to 200. Then $200 \times 6 = 1,200$.
- 3) **Choice D is correct.** **(5.NBT.2)** Multiplying by 10^2 means multiplying by 100, so the value becomes 100 times as large.
- 4) **Choice C is correct.** **(5.NF.4)** $\frac{2}{3} \times \frac{1}{4} = \frac{2}{12} = \frac{1}{6}$.
- 5) **Choice B is correct.** **(5.NF.6)** Start with one unit fraction, $\frac{1}{3}$, and share it into 4 equal parts. Each part is $\frac{1}{3} \div 4 = \frac{1}{12}$ of the whole.
- 6) **Choice A is correct.** **(5.NBT.3)** 4.53 is read as “four and fifty-three hundredths”. The digit 5 is in the tenths place (0.5).
- 7) **The correct answer is 9 ft.** **(5.MD.1)** $3 \times 3 = 9$ feet. Each yard has 3 feet, so 3 yards has three groups of 3 feet.
- 8) **Choice D is correct.** **(5.NBT.1)** Trailing zeros after the last non-zero digit do not change the value, so $3.5 = 3.50$. They are equivalent decimals.
- 9) **Choice A is correct.** **(5.MD.5)** The phrase “ $\frac{3}{4}$ of the water currently in the pool” means multiply: $\frac{3}{4} \times \frac{2}{3} = \frac{6}{12} = \frac{1}{2}$ of a full pool.
- 10) **Choice A is correct.** **(5.NF.2)** Together eaten: $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$. Remaining: $1 - \frac{5}{8} = \frac{3}{8}$.
- 11) **Choice A is correct.** **(5.NBT.2)** The diagram shows $78.5 \div 100 = 0.785$. Move decimal 2 places left.
- 12) **Choice A is correct.** **(5.NF.7)** $\frac{1}{10} \div 2 = \frac{1}{10} \times \frac{1}{2} = \frac{1}{20}$.
- 13) **Choice B is correct.** **(5.G.2)** Check the pattern in the pairs: $1 \times 3 = 3$, $2 \times 3 = 6$, $3 \times 3 = 9$, and $4 \times 3 = 12$.
- 14) **Choice A is correct.** **(5.OA.1)** The model splits the sum into two parts, 7 and 8. Multiplying the whole sum by 3 is the same as multiplying each part by 3 and then adding the products.
- 15) **Choice D is correct.** **(5.MD.5)** Use the rectangular-prism volume formula: $7 \times 3 \times 4 = 84$. So the volume is 84 cubic meters.
- 16) **Choice D is correct.** **(5.NBT.2)** When multiplying by 10, add one zero to the right: $7 \times 10 = 70$.
- 17) **The correct answer is 10.** **(5.OA.3)** Each term decreases by 10. Term 10: $100 - 9 \times 10 = 100 - 90 = 10$.
- 18) **The correct answer is (4, 5).** **(5.G.1)** Right shifts x by +4; up shifts y by +5. Accept equivalent coordinate-pair formatting such as (4, 5), (4, 5), 4, 5, or a written form such as $x = 4$, $y = 5$.
- 19) **Choice C is correct.** **(5.NBT.2)** Multiplying by 1,000 moves the decimal three places to the right: $2.8 \times 1,000 = 2,800$.
- 20) **Choices A, B are correct.** **(5.G.2)** Each correct point has a second coordinate that is twice its first coordinate. C and D do not match that relationship.
- 21) **Choice C is correct.** **(5.NF.2)** The numerator increased from 3 to 9 (multiply by 3). Multiply the denominator by 3: $5 \times 3 = 15$.
- 22) **Choice D is correct.** **(5.MD.1)** There are 1,000 meters in 1 kilometer. Since we are changing meters to kilometers, divide: $3,750 \div 1,000 = 3.75$. Emma ran 3.75 kilometers.
- 23) **Choice D is correct.** **(5.NF.5)** $8 \times \frac{5}{4} = 10$ units. The scaled bar is longer because the factor is greater than 1.
- 24) **The correct answer is $\frac{1}{3} \div 4 = n$.** **(5.NF.6)** The one-third yard is shared into 4 equal parts, so the response should include a division equation such as $\frac{1}{3} \div 4 = n$. The final value $\frac{1}{12}$ may be included if the equation is shown.
- 25) **Choice D is correct.** **(5.NF.6)** $\frac{18}{20} \times 40 = \frac{18 \times 40}{20} = \frac{720}{20} = 36$ questions.
- 26) **Choice B is correct.** **(5.OA.1)** Start with the smallest group: $1 + 1 = 2$. Then $9 - 2 = 7$, the braces become $2 + 7 = 9$, and $3 \times 9 = 27$.
- 27) **The correct answer is 84 cubic feet.** **(5.MD.3)** Subtract the known part from the total: $210 - 126 = 84$ cubic feet. That is the missing part’s volume.
- 28) **Choice D is correct.** **(5.MD.1)** Add the gallons first: $2.5 + 3.75 + 1.25 = 7.5$ gallons. Each gallon has 16 cups, so $7.5 \times 16 = 120$ cups.
- 29) **Choice A is correct.** **(5.G.2)** A horizontal line has the same y-coordinate for both points. Choice A has both points at $y = 3$, making them horizontal.



Personal Trainer Wrap-Up

Math Athlete, Listen Up!

◇ 10 practice tests done. That's serious training. Your math muscles are strong, your endurance is high, and your reflexes (recognizing problem types) are quick. You're in great shape for the big test. ◇

★ **Trainer's wisdom:** muscle memory is real, even in math. The more you do something, the more your brain knows how to do it without thinking. You've built that muscle memory over 10 tests. Now it's automatic. ★

Athlete's Performance Card

- **Endurance:** TOP-TIER! You can finish a long test without burnout.
- **Strength:** STRONG! You handle multi-step problems with power.
- **Speed:** SHARP! You move efficiently from question to question.
- **Recovery:** GREAT! You bounce back fast from tough questions.

Trainer's tip: on test day, hydrate, breathe deeply, and warm up with the easier questions first. Build your rhythm. Your training will carry you the rest of the way.

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 Trainer (You're In Great Shape)

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

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- ✓ Results-Driven.

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

THIS BOOK HELPS YOUR CHILD:



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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!



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for more Grade 5 math resources and practice materials!



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