

8

FULL-LENGTH

Nevada

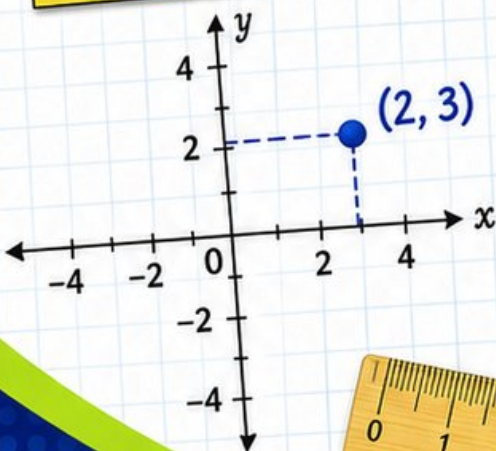
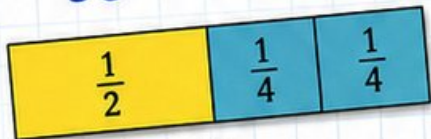
Smarter Balanced

GRADE 5

MATH PRACTICE TESTS

Mixed Practice Questions with Answer Key
for Students, Parents, and Teachers

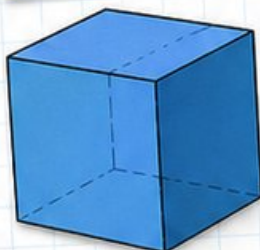
$$36 \div 4 = 9$$



$$2.4 \times 7 = 16.8$$

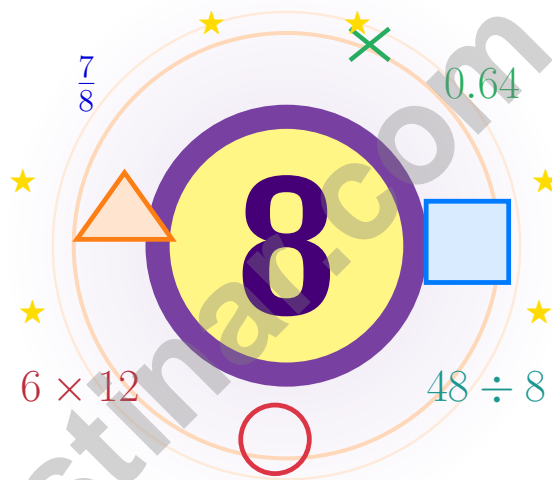
$$7 \times (12 - 5) = 49$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



8 Nevada Smarter Balanced Grade 5 Math Practice Tests

A eight-step trail built for steady, brave thinking



Eight full tests, a focused quick review, and helpful support that turns Grade 5 practice in The Silver State into steady, confident growth from page one to the final check.

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 to the Eight-Step Practice Path, Nevada

This book is here to help you practice, reflect, and rise across eight tests

Trail Briefing for Nevada Grade 5 Math Crew

This practice book is your steady companion for eight tests, not a place to be perfect. Math thinking shines like silver – it takes a little polishing, but the brightness is already there.

Use these eight 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 with care – math problems hide their gifts.

Try

Try a strategy that fits the size of the numbers.

Reflect

Reflect after each problem to lock the lesson in.

A strong habit for Nevada 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.

Testinar.com



Scan me



How to Use This Book

A simple routine that turns practice into progress

Step 1: Notice

Notice the structure: warm-up, test, review, repair.

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

Step 2: Practice

Practice one full test in quiet conditions.

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

Step 3: Honest Check

Check honestly without rushing.

Circle missed questions and notice which topics keep showing up.

Step 4: Polish

Polish the rough spots before the next test.

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



Table of Contents

★ Practice Test 1	_____	23
★ Practice Test 2	_____	38
★ Practice Test 3	_____	54
★ Practice Test 4	_____	71
★ Practice Test 5	_____	85
★ Practice Test 6	_____	100
★ Practice Test 7	_____	115
★ Practice Test 8	_____	129
Practice Test Answer Keys	_____	145
Practice Test Answers and Explanations	_____	150

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) Write the decimal 0.47 as a fraction.

A. $\frac{47}{100}$

B. $\frac{47}{10}$

C. $\frac{4}{7}$

D. $\frac{47}{1000}$

2) Convert: 0.6 m = ? cm.

Record your answer in the space provided.

3) If Pattern A: 2, 4, 6, 8, ... and Pattern B: 4, 8, 12, 16, ..., what is true?

 A. Pattern A is larger B. Pattern B terms are half of Pattern A terms C. They are equal D. Pattern B terms are twice Pattern A terms

4) What is the best unit for measuring the volume of a sugar cube?



Sugar cube

 A. Cubic meters B. Cubic kilometers C. Cubic feet D. Cubic centimeters

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 expression represents “one-third of the sum of 15 and 6”?

A. $\frac{1}{3} \times 15 + 6$
 B. $\frac{15 + 6}{3}$

C. $\frac{15}{3} + 6$
 D. $15 + \frac{6}{3}$

2) A parallelogram has how many pairs of parallel sides?

Record your answer in the space provided.

3) Pattern A adds 2 each step: 5, 7, 9, 11. Pattern B adds 4 each step: 3, 7, 11, 15. At which step are both patterns equal?

- A. Step 1
 B. Step 2

- C. Step 3
 D. Step 4

4) What is $0.7 \div 10$?

- A. 7
 B. 0.7

- C. 0.07
 D. 0.007



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) Three children have read $\frac{1}{3}$, $\frac{1}{4}$, and $\frac{1}{6}$ of a book. Which set correctly rewrites the fractions with denominator 12?

Fraction Read	With Denom. 12
$\frac{1}{3}$	$\frac{?}{12}$
$\frac{1}{4}$	$\frac{?}{12}$
$\frac{1}{6}$	$\frac{?}{12}$

- A. $\frac{4}{12}, \frac{3}{12}, \frac{2}{12}$
- B. $\frac{3}{12}, \frac{2}{12}, \frac{1}{12}$
- C. $\frac{6}{12}, \frac{4}{12}, \frac{3}{12}$
- D. $\frac{12}{12}, \frac{12}{12}, \frac{12}{12}$
- 2) A runner's time is 42.567 seconds. Round to the nearest hundredth for a record.
- A. 42.5 sec
- B. 42.56 sec
- C. 42.57 sec
- D. 42.6 sec
- 3) An athlete runs 1,500 meters in a race. How many kilometers is that?
- A. 0.15 km
- B. 1.5 km
- C. 15 km
- D. 150 km
- 4) A rectangular prism has a base area of 35 cm^2 and a height of 4 cm. What is the volume?

Base area 35 cm^2
Height 4 cm

- A. 100 cm^3
- B. 120 cm^3
- C. 140 cm^3
- D. 160 cm^3



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



Scan me

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



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice A is correct.** (5.NBT.A.3a) The decimal 0.47 has two digits after the decimal point, so it represents 47 hundredths: $0.47 = \frac{47}{100}$.
- The correct answer is 60.** (5.MD.A.1) $0.6 \times 100 = 60$ cm. Multiplying by 100 changes meters into centimeters.
- Choice D is correct.** (5.MD.A.1) Each term of B is 2 times the corresponding A term.
- Choice D is correct.** (5.MD.C.3b) A sugar cube is very small. Cubic centimeters is the most appropriate unit. The others are too large.
- Choice B is correct.** (5.OA.B.3) Compare corresponding terms: $30 = 2 \times 15$, $36 = 2 \times 18$, $42 = 2 \times 21$, and $48 = 2 \times 24$.
- The correct answer is 56.** (5.NBT.A.2) $10^2 = 100$. Dividing by 100 removes two zeros (or moves decimal two places left): $5,600 \rightarrow 56$.
- Choice B is correct.** (5.NBT.A.2) Sum the partial products: $400 + 140 + 100 + 35 = 675$.
- Choice A is correct.** (5.OA.A.2) Ben spends $12 + 5$ dollars each week. Since he does this for 3 weeks, multiply the weekly amount by 3: $3 \times (12 + 5)$.
- Choice B is correct.** (5.NBT.A.2) $10^4 = 10,000$, so $0.56 \times 10^4 = 0.56 \times 10,000 = 5600$.
- Choice A is correct.** (5.NBT.A.2) $\frac{1}{5} \div 3 = \frac{1}{5} \times \frac{1}{3} = \frac{1}{15}$.
- Choice C is correct.** (5.MD.A.1) Total distance: $7.25 + 8.5 + 6.75 = 22.5$ km. Convert to meters: $22.5 \times 1,000 = 22,500$ meters.
- Choice C is correct.** (5.MD.C.4) The prism is only 1 unit tall, so it has one layer. The layer has $7 \times 2 = 14$ unit cubes.
- Choice D is correct.** (5.G.B.4) The two sides with tick marks are equal, making this an isosceles triangle.
- Choice D is correct.** (5.NF.A.1) $4\frac{3}{8} - 1\frac{1}{8} = 3\frac{2}{8}$, and $\frac{2}{8}$ simplifies to $\frac{1}{4}$.
- Choice B is correct.** (5.NF.B.7c) Use total amount divided by the size of one piece. The equation is $2 \div \frac{1}{5} = n$.
- Choice A is correct.** (5.MD.B.2) There are two ribbons at $\frac{1}{2}$ inch. Their total length is $\frac{1}{2} + \frac{1}{2} = 1$ inch.
- Choice B is correct.** (5.MD.C.5a) Prism B has volume $7 \times 4 \times 4 = 112$ cubic units, which is the greatest.
- Choices A, B are correct.** (5.NBT.A.2) 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 D is correct.** (5.OA.A.2) First write "3 times 12" as 3×12 . Then subtract 8 from that product: $3 \times 12 - 8$.
- Choice B is correct.** (5.NBT.B.7) Write 5.00 as 4 ones, 9 tenths, and 10 hundredths. Then subtract by place value: $10 - 3 = 7$ hundredths, $9 - 2 = 7$ tenths, and $4 - 1 = 3$ ones. So $5.00 - 1.23 = 3.77$.
- Choice B is correct.** (5.NBT.A.3b) In the tenths place: $5 > 3$, so $2.53 > 2.35$ regardless of hundredths.
- Choice A is correct.** (5.MD.C.5a) The base area is $10 \times 4 = 40$ square meters. Since $280 \div 40 = 7$, the height is 7 m.
- Choice D is correct.** (5.NF.A.2) $\frac{5}{16}$ is not equivalent to $\frac{1}{3}$ because $1 \times 16 \neq 3 \times 5$. The other choices simplify to $\frac{1}{3}$.
- Choice B is correct.** (5.NF.B.7c) Each whole contains 3 pieces of size $\frac{1}{3}$. With 2 wholes, there are $2 \times 3 = 6$ pieces.
- Choice C is correct.** (5.NF.A.2) $5\frac{7}{12} \approx 6$ and $3\frac{1}{9} \approx 3$. So $5\frac{7}{12} + 3\frac{1}{9} \approx 6 + 3 = 9$.
- The correct answer is $9\frac{3}{5}$.** (5.NF.B.5a) $\frac{4}{5} \times 12 = \frac{48}{5} = 9\frac{3}{5}$. Since $\frac{4}{5} < 1$, the product is a little less than 12.
- The correct answer is 576 in^3 .** (5.NF.B.5a) Use length times width times height: $12 \times 6 \times 8 = 576$. The aquarium's volume is 576 cubic inches.
- Choice B is correct.** (5.NF.B.7c) A fourth split into 4 equal parts gives sixteenths: $\frac{1}{4} \div 4 = \frac{1}{16}$ gallon for each table.
- Choice A is correct.** (5.NF.B.4) $6 \times \frac{1}{8} = \frac{6}{8} = \frac{3}{4}$ (simplified).
- Choice D is correct.** (5.NF.B.4) A product grows when the factor is greater than 1. Only $1\frac{1}{3}$ is greater than 1, so it makes $9 \times \text{factor} > 9$.
- Choice D is correct.** (5.MD.C.5) The base area is $7 \times 6 = 42$ square feet. Since $168 \div 42 = 4$, the height is 4 ft.
- Choice D is correct.** (5.MD.B.2) Mon-Wed total: $(0 \times 2) + (1 \times 3) + (2 \times 1) + (3 \times 1) = 8$ hours. Thu-Fri total: $(0 \times 2) + (1 \times 1) + (2 \times 3) = 7$ hours. Together, $8 + 7 = 15$ hours.



Strong Climber, Listen Up!

◇ You did it. You climbed all 8 practice tests like a steady mountain climber—one foothold, one breath, one step at a time. The view from the top is wonderful because you earned it. Test day is the next peak, and you are stronger than the climber you were when you started. ◇

★ **Here is what mountain guides teach:** pacing matters more than speed. Take steady steps. Check your footing. Keep your eyes on the path. The same wisdom helps on a math test: read carefully, work calmly, and check your work before you move on. ★

Climber's Field Notes

- **Endurance:** STRONG! You can finish a long climb without losing focus.
- **Footwork:** STEADY! Your steps (your steps in problem-solving) are reliable.
- **Map Reading:** CLEAR! You read questions carefully before you start.
- **Summit Mindset:** READY! You know how to push through the last stretch.

Field tip: on test day, take small breaths between problems. Each problem is a foothold. Take it. Move on. Take the next. That is how mountains get climbed—and how tests get conquered.

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 Guide (Onward and Upward)

$45 \div 5 = ?$

PRACTICE TODAY.

$\frac{3}{5} + \frac{1}{10} = ?$



ACHIEVE TOMORROW!



$3^2 + 4^2 = 25$

This book includes **8** full-length **Grade 5** math practice tests to help students master essential skills, build confidence, and achieve success. Each test is carefully designed to reflect real math standards and cover a variety of question types with detailed answer explanations.

$7x - 4 = 17$

$1\frac{1}{2} + 2\frac{1}{3} = ?$

8 FULL-LENGTH MATH PRACTICE TESTS



REALISTIC PRACTICE

Tests mirror Grade 5 math standards and real assessment formats.



ANSWER KEY INCLUDED

Detailed answer explanations help students understand and learn.



BUILD CONFIDENCE & SKILLS

Strengthens problem-solving abilities and reinforces key math concepts.



IMPROVE & TRACK PROGRESS

Identify strengths and focus on areas that need improvement.



ACHIEVE SUCCESS

Boosts test readiness and helps students achieve their best results.

COVERS ALL KEY GRADE 5 MATH TOPICS

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

...and More!



VISIT testinar.com/math5

for more Grade 5 math resources and practice materials!



TRUSTED BY PARENTS



CREATED BY EDUCATORS



ALIGNED TO STANDARDS

Great for Students, Parents, and Teachers!

Practice with purpose. Succeed with confidence!