

5 FULL-LENGTH Oklahoma OSTP

GRADE 5 MATH

★ PRACTICE TESTS ★



5 FULL-LENGTH
PRACTICE TESTS



COMPLETE
STANDARDS
REVIEW



SKILL PRACTICE,
WORD PROBLEMS,
AND MORE!

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



$$12 \times 3 = 36$$



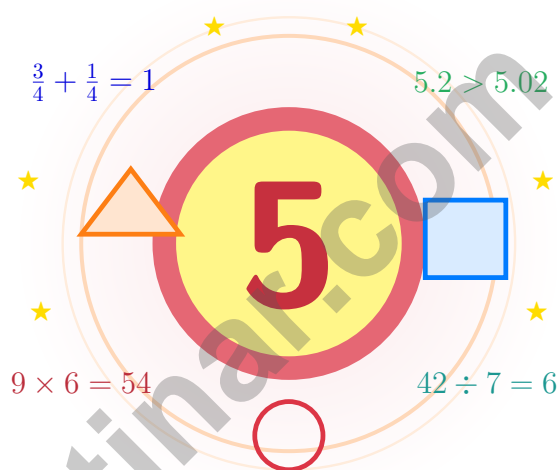
$$\frac{7}{10} = 0.7$$



BUILT FOR SUCCESS. DESIGNED TO HELP EVERY STUDENT.

5 Oklahoma OSTP Grade 5 Math Practice Tests

Five full tests woven into one calm, steady quest



Five full tests, a friendly quick review, smart strategy pages, and student-tested support that turn Grade 5 practice in The Sooner State into a steady quest of real growth.

Jay Daie and Reza Nazari



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Oklahoma, Your Five-Test Quest Begins

Five full tests woven into one calm, steady quest

Dear Oklahoma Math Quest Crew

This book is your practice zone, not a place to be perfect. Each of the five tests gives you a chance to notice clues, choose a strategy, check your thinking, and come back stronger for the next round. Math is a lot like an Oklahoma morning – wide skies, fresh wind, and lots of room to think clearly.

Some questions will feel easy right away. Some will make you slow down, draw, estimate, or retry. That is excellent news. It means your math brain is doing real work.

See

See the whole question
before you start the
math.

Plan

Plan one careful step
before the next.

Reflect

Reflect on what worked
and what wobbled.

A strong quest habit for Oklahoma: slow down, write neatly, estimate before you solve, and keep going even when a problem looks tricky at first. That is exactly how confident math students are built.

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Your Five-Step Quest Plan

A simple routine that turns five tests into real growth

Step 1: Open

Open the warm-up review and use it.

Wake up important ideas before you begin so your brain is ready to use them.

Step 2: Test

Take the test with steady focus.

Find a quiet space, work carefully, and let accuracy matter more than speed.

Step 3: Reflect

Notice what was sharp and what was shaky.

Circle missed questions and look for patterns. Which skill or habit needs another try?

Step 4: Sharpen

Practice the shaky skills before the next round.

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

A Five-Week Oklahoma Quest Map

Week	Mission Focus
Week 1	Take Test 1 like a wide prairie morning – open eyes, calm heart.
Week 2	Take Test 2 and notice one habit that grew steadier.
Week 3	Take Test 3 and lift fractions, decimals, and conversions.
Week 4	Take Test 4 and slow down on multi-step problems.
Week 5	Take Test 5 with calm, careful, confident work.



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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

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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) Point P is at (3, 2) on a coordinate plane. If point P is moved 2 units right and 3 units up, what are the new coordinates of P'?

A. $P'(5, 5)$

C. $P'(5, 2)$

B. $P'(1, 5)$

D. $P'(3, 5)$

2) A runner has 5 miles of trail. She marks the trail every $\frac{1}{2}$ mile. How many half-mile sections are there?

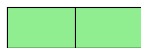
A. 15 sections

C. 20 sections

B. 10 sections

D. 25 sections

3) What is $\frac{1}{10} \div 2$?



$\frac{1}{10}$ split in 2

A. $\frac{1}{20}$

C. $\frac{1}{8}$

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

D. $\frac{1}{5}$

4) "Three more than the product of 5 and 4" equals:

A. $5 \times 4 \times 3$

C. $(3 + 5) \times 4$

B. $5 \times (4 + 3)$

D. $3 + 5 \times 4$

5) A prism has $L = 15$ ft, $W = 4$ ft, $H = 6$ ft. Find its volume.

Record your answer in the space provided.



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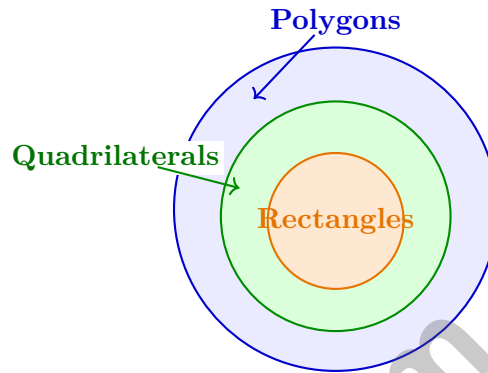
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- 1) A Venn diagram has a large circle for polygons, a smaller circle for quadrilaterals inside it, and a smaller circle for rectangles inside the quadrilaterals circle. Where should a square be placed?



- A. Inside polygons only
- B. Inside all three circles
- C. Outside all three circles
- D. Inside quadrilaterals only
- 2) How many times larger is 10^5 than 10^2 ?
- A. 10 times
- B. 100 times
- C. 1000 times
- D. 10000 times
- 3) One seventh meter of wire is cut into 2 equal pieces. Which division equation finds each share?
- A. $2 \div \frac{1}{7} = n$
- B. $\frac{1}{7} \times 2 = n$
- C. $\frac{1}{7} \div 2 = n$
- D. $2 + \frac{1}{7} = n$



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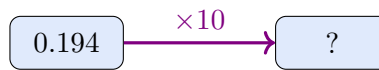
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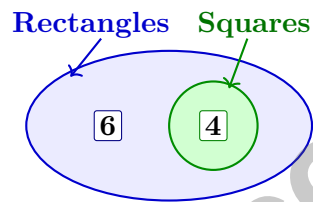
1 day = 24 hours (hr) 1 year = 52 weeks



- 1) The arrow shows a multiplication by 10. What number goes in the empty box?



- A. 1.94 C. 194
 B. 19.4 D. 0.194
- 2) A Venn diagram shows squares inside rectangles. There are 6 rectangles that are not squares and 4 squares. How many rectangles are shown in all?



- A. 4 C. 14
 B. 6 D. 10
- 3) A baker has 5 trays with 12 cookies each. She sells 20. Which expression shows the cookies left?
- A. $5 \times 12 - 20$ C. $(5 + 12) \times 20$
 B. $5 \times (12 - 20)$ D. $5 + 12 - 20$
- 4) Which product has 3 zeros?
- A. 25×40 C. 30×10
 B. 50×2 D. 15×6



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

- Choice A is correct.** **(5.A.1.2)** Start with $P(3, 2)$. Moving 2 units right adds 2 to the x-coordinate, and moving 3 units up adds 3 to the y-coordinate, giving $P'(5, 5)$.
- Choice B is correct.** **(5.D.1.2)** Each mile has 2 half-mile sections. $5 \div \frac{1}{2} = 5 \times 2 = 10$ sections.
- Choice A is correct.** **(5.N.1.1)** $\frac{1}{10} \div 2 = \frac{1}{10} \times \frac{1}{2} = \frac{1}{20}$.
- Choice D is correct.** **(5.A.2.3)** The product of 5 and 4 is 5×4 . “Three more than” means add 3 to that product, so $3 + 5 \times 4$ matches the phrase.
- The correct answer is 360 ft³.** **(5.GM.2.1)** $15 \times 4 \times 6 = 360$ ft³.
- Choice C is correct.** **(5.GM.1.2)** Figure C is a rectangle with unequal side lengths. It has four right angles, but it does not have four equal sides, so it is not a square.
- Choice A is correct.** **(5.D.1.2)** Each whole contains 3 pieces of size $\frac{1}{3}$. With 5 wholes, there are $5 \times 3 = 15$ pieces.
- The correct answer is 3,000 mL.** **(5.GM.3.5)** $3 \times 1,000 = 3,000$ mL. Each liter has 1,000 milliliters.
- The correct answer is 42.** **(5.GM.3.3)** A 7 by 2 layer has 14 cubes. With 3 layers, $14 \times 3 = 42$ cubic units.
- Choice C is correct.** **(5.N.2.1)** First add the miles: $156 + 144 = 300$ miles. Then convert miles to feet: $300 \times 5,280 = 1,584,000$ feet.
- Choice C is correct.** **(5.N.3.2)** Multiples of 9: 9, 18, 27, ... Multiples of 3: 3, 6, 9, ... The LCD is 9.
- The correct answer is 7.** **(5.A.1.2)** The first number in an ordered pair is the x-coordinate.
- Choice B is correct.** **(5.GM.1.2)** A square is a quadrilateral with 4 equal sides and 4 right angles. Those properties are always true for squares.
- Choice C is correct.** **(5.N.3.1)** Divide total pencils by number of students: $156 \div 12 = 13$ pencils per student.
- Choice B is correct.** **(5.N.1.3)** $\frac{1}{2} \times \frac{2}{3} = \frac{2}{6} = \frac{1}{3}$ cup.
- Choice B is correct.** **(5.GM.2.1)** $V = B \times h = 12 \times 6 = 72$ cm³.
- Choice B is correct.** **(5.N.3.2)** Divide both numerator and denominator by 25: $\frac{25}{100} = \frac{1}{4}$.
- Choice A is correct.** **(5.A.2.1)** Do the division and multiplication first: $48 \div 6 = 8$ and $3 \times 2 = 6$. Then add the results: $8 + 6 = 14$.
- Choice C is correct.** **(5.GM.3.5)** Convert 4 feet to inches: $4 \times 12 = 48$ inches. Divide by 12-inch pieces: $48 \div 12 = 4$ pieces.
- Choices A, B are correct.** **(5.N.1.2)** A gives $1.00 - 0.55 = 0.45$, and B gives $2.70 - 2.25 = 0.45$. C gives 0.35, and D gives 0.55.
- Choice B is correct.** **(5.N.1.1)** Multiplying by 100 shifts the digits in 50 two places to greater place values: $50 \times 100 = 5,000$.
- Choice A is correct.** **(5.N.1.2)** 0.6 (6 tenths) > 0.06 (6 hundredths). A rise of 0.6 degrees is 10 times larger.
- Choice A is correct.** **(5.GM.2.1)** The smaller drawing covers $\frac{4}{5} \times \frac{1}{2} = \frac{4}{10}$ of a full sheet. In simplest form, $\frac{4}{10} = \frac{2}{5}$.
- Choice A is correct.** **(5.N.2.2)** $504 \div 18 = 28$ books per shelf. Check: $18 \times 28 = 504$.
- Choice D is correct.** **(5.N.1.1)** The table shows $25.4 \div 10 = 2.54$. Decimal moves 1 place left.
- Choice D is correct.** **(5.N.2.2)** Multiply: $43 \times 6 = (40 \times 6) + (3 \times 6) = 240 + 18 = 258$.
- Choice D is correct.** **(5.N.3.1)** $\frac{7}{8} \approx 1$ and $\frac{3}{9} = \frac{1}{3} \approx \frac{1}{2}$. So $\frac{7}{8} - \frac{3}{9} \approx 1 - \frac{1}{2} = \frac{1}{2}$.
- Choice C is correct.** **(5.N.1.2)** The model shows two parts: $2 \times 3 = 6$ and $0.5 \times 3 = 1.5$. Total: $6 + 1.5 = 7.5$.
- Choice A is correct.** **(5.D.1.2)** Total: $(1 \times 3) + (2 \times 2) + (3 \times 3) + (4 \times 1) + (5 \times 1) = 3 + 4 + 9 + 4 + 5 = 25$ servings.
- Choice B is correct.** **(5.N.1.1)** The digit 7 is in the tenths place of 8.72, so it represents 0.7 (or $7 \times \frac{1}{10}$).
- Choice A is correct.** **(5.A.1.2)** Pattern H is twice Pattern G: $3 \times 2 = 6$, $6 \times 2 = 12$, $9 \times 2 = 18$, $12 \times 2 = 24$, $15 \times 2 = 30$.
- Choice A is correct.** **(5.N.3.1)** $\text{LCM}(4, 2) = 4$. $\frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$ cups.
- The correct answer is 12.** **(5.N.3.1)** Find $\frac{2}{5}$ of 30 by multiplying. One fifth of 30 is 6, and two fifths is $2 \times 6 = 12$.



Hey there, Master Gamer!

★ Level mastery achieved! You've conquered five complete game worlds, defeating mathematical boss battles and collecting skill power-ups like a professional gamer! Each test level presented unique challenges and hidden obstacles, but you've learned the patterns, mastered the controls, and leveled up your abilities significantly. Your character stats are at maximum capacity! ★

◇ **Here's what elite gamers understand:** mastering difficult games requires repeated playthroughs, learning from defeats, and developing strategic thinking. They study level designs, practice timing, and memorize successful strategies. You've done exactly that through these five test levels! You've learned the mathematical game mechanics, and now you're ready for the championship tournament! ◇

Character Stats Maxed Out

Problem-Solving Power: Leveled up to Expert tier through consistent training!

Strategic Thinking: Unlocked advanced tactical abilities through practice!

Endurance Meter: Can maintain focus through extended gaming sessions!

Boss Battle Ready: Prepared to defeat the final test day challenge!

Gaming wisdom: professional players stay calm during competitive matches because they've practiced under pressure. Test day is your championship match. When you encounter a challenging problem-boss, remember your five training sessions. You've defeated tougher enemies before. Use your best strategies, stay focused, and claim victory!

Want to share your gaming strategies or discuss a particularly clever solution combo? Send your achievements to reza@testinar.com. Let's celebrate your wins!

Reza Nazari & Jay Daie

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Strengthen key math skills through a wide variety of practice questions.



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