

3

Oklahoma

OSTP

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 Oklahoma OSTP Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Oklahoma OSTP strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Oklahoma Math Explorer!

Three steady rounds on the Sooner State math route

This book gives you three full Grade 3 practice tests for OSTP. Each round uses red-dirt roads, prairie skies, and clear operation choices to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Oklahoma Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for Oklahoma OSTP review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Sooner State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Three tests, 90 questions, and a full OSTP review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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1) Which statement is false?

A. $\frac{50}{100} = 0.50$

C. $\frac{100}{100} = 10.0$

B. $\frac{9}{10} = 0.9$

D. $\frac{4}{10} = 0.4$

2) Looking at a number line, if you make 4 jumps of $\frac{1}{6}$ each, what is your final position?

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

C. $\frac{4}{6}$

B. $\frac{2}{6}$

D. $\frac{6}{4}$

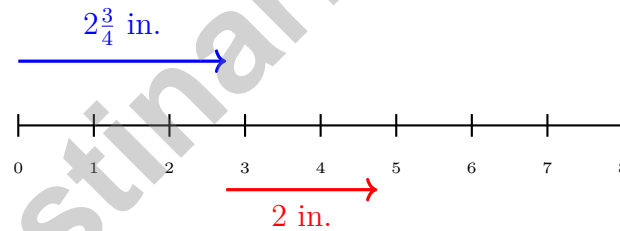
3) A store ordered 5,887 pencils. Round to the nearest thousand to estimate how many pencils were ordered.

A. 5,000

C. 5,900

B. 5,800

D. 6,000



4)

A board has two sections. The blue section is $2\frac{3}{4}$ inches and the red section is 2 inches. What is the total length?

A. $4\frac{1}{4}$ inches

C. $4\frac{3}{4}$ inches

B. $4\frac{2}{4}$ inches

D. 5 inches



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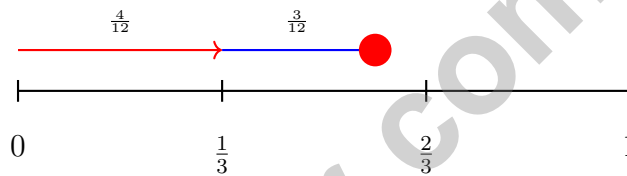
5) Here is a line plot showing sticker lengths (in inches):



What is the difference in inches between the longest and shortest stickers?

- A. $\frac{1}{8}$ inch C. $\frac{3}{8}$ inch
 B. $\frac{2}{8}$ inch D. $\frac{4}{8}$ inch

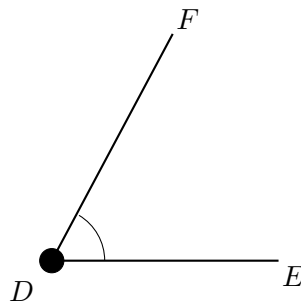
6) A number line shows two jumps to reach $\frac{7}{12}$:



Which equation matches the two jumps shown?

- A. $\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$ C. $\frac{6}{12} + \frac{1}{12} = \frac{7}{12}$
 B. $\frac{5}{12} + \frac{2}{12} = \frac{7}{12}$ D. $\frac{4}{12} + \frac{4}{12} = \frac{8}{12}$

7)



Which name correctly identifies the angle with vertex at D ?

- A. $\angle DEF$ C. $\angle EFD$
 B. $\angle FED$ D. $\angle EDF$

8) What is $\frac{4}{10} + \frac{5}{10}$?

A. $\frac{9}{20}$

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

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

D. $1\frac{0}{10}$

9) Noah's class collected 455 books. They want to donate them equally to 5 libraries. How many books go to each library?

A. 81

B. 85

C. 97

D. 91

10) A gardener has 256 grams of seeds to divide equally into 8 packets. How many grams of seeds are in each packet?

A. 32 g

B. 48 g

C. 64 g

D. 128 g

11) A rectangular swimming pool is 25 feet long and 15 feet wide. How many feet of rope are needed to go around the entire edge of the pool?



12) Sofia has 3,472 stickers. What is the place value of the digit 4 in her total?

A. 4

B. 40

C. 400

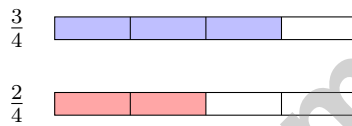
D. 4,000



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1) In 130,800, what digit is in the hundreds place?

2) Look at the fraction bars below. Which comparison is correct?



- A. $\frac{3}{4} < \frac{2}{4}$
 B. $\frac{2}{4} > \frac{3}{4}$

- C. $\frac{3}{4} = \frac{2}{4}$
 D. $\frac{3}{4} > \frac{2}{4}$

3) Two angles of measures 15° and 75° are combined. What is the total angle?

- A. 60°
 B. 75°

- C. 90°
 D. 100°

4) Subtract: $3\frac{4}{5} - 1\frac{2}{5}$

- A. $2\frac{1}{5}$
 B. $2\frac{2}{5}$

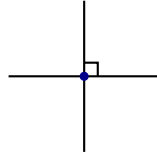
- C. $2\frac{3}{5}$
 D. $3\frac{2}{5}$

5) A triangle has all three angles less than 90° . How many acute angles does it have?



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6) Two perpendicular lines intersect. How many right angles are formed?



- A. 1 right angle
- B. 2 right angles
- C. 3 right angles
- D. 4 right angles

7) Which decimal is greater: 0.64 or 0.46?

8) Which is true?

- A. $0.5 > \frac{6}{10}$
- B. $0.5 < \frac{4}{10}$
- C. $0.5 = \frac{5}{10}$
- D. $0.5 = \frac{5}{100}$

9) In the number 6,217, which digit is in the tens place?

- A. 6
- B. 2
- C. 1
- D. 7

10) A pattern shows every third multiple of 4. Which list shows this pattern?

- A. 4, 8, 12, 16, 20
- B. 8, 16, 24, 32, 40
- C. 4, 12, 20, 28, 36
- D. 12, 24, 36, 48, 60



- 1) Diego bought two toy cars. One costs \$0.39 and the other costs \$0.93. Which toy car is more expensive?
- A. The first car (\$0.39) C. Both cost the same
 B. The second car (\$0.93) D. The first car is more expensive
- 2) An angle of 150° is split into two parts. One part measures 85° . What does the other part measure?
- A. 65° C. 235°
 B. 75° D. 85°
- 3) How many lines of symmetry does a regular triangle have?
- A. 0 C. 2
 B. 1 D. 3
- 4) Chen rode his bike 18 kilometers on Saturday and 25 kilometers on Sunday. What was the total distance?
- A. 7 km C. 43 km
 B. 25 km D. 450 km
- 5) Noah ate $\frac{5}{8}$ of a pizza. Which sentence shows one way to decompose what he ate?
- A. He ate $\frac{2}{8}$ and $\frac{3}{8}$. C. He ate $\frac{2}{8}$ and $\frac{4}{8}$.
 B. He ate $\frac{1}{8}$ and $\frac{3}{8}$. D. He ate $\frac{3}{8}$ and $\frac{3}{8}$.



6) A garden bed requires $\frac{2}{3}$ bag of soil. How many bags are needed for 6 garden beds?

A. $\frac{6}{3}$ bags (or 2 bags)

C. $\frac{12}{3}$ bags (or 4 bags)

B. $\frac{2}{18}$ bag

D. $\frac{6}{9}$ bag

7) Which number sentence does NOT represent a correct multiple?

A. $2 \times \frac{1}{8} = \frac{2}{8}$

C. $4 \times \frac{1}{6} = \frac{4}{12}$

B. $3 \times \frac{1}{5} = \frac{3}{5}$

D. $5 \times \frac{1}{3} = \frac{5}{3}$

8) Noah drew an angle that measures 42 degrees. How many one-degree angles does his angle contain?



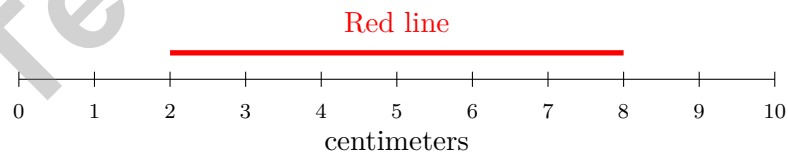
9) A group has 73 cookies to pack into boxes of 12. How many complete boxes will they have? How many cookies will be left over?

A. 6 boxes, 2 left

C. 7 boxes, 1 left

B. 5 boxes, 13 left

D. 6 boxes, 1 left



10)

Based on the ruler, what is the length of the red line in millimeters?

A. 60 mm

C. 100 mm

B. 80 mm

D. 120 mm



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Practice Test Answer Keys

How to use this section with a Grade 4 student:

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

A calm correction routine turns every missed item into useful practice.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(4.N.3.1)** $\frac{100}{100}$ represents one whole, or 1.0 (not 10.0). The other three statements are all correct.
- 2) **Choice C is correct.** **(4.A.2.2)** Each jump moves us $\frac{1}{6}$ unit forward. Making 4 jumps means we move $4 \times \frac{1}{6} = \frac{4}{6}$ units total.
- 3) **Choice D is correct.** **(4.N.1.4)** We're rounding to the nearest thousand. Look at the hundreds digit: 8. Since $8 \geq 5$, we round UP! The thousands digit goes from 5 to 6, giving us **6,000** pencils. ✓
- 4) **Choice C is correct.** **(4.N.3.4)** Add the wholes: $2 + 2 = 4$. Add the fractions: $\frac{3}{4} + 0 = \frac{3}{4}$. The total length is $4\frac{3}{4}$ inches.
- 5) **Choice C is correct.** **(4.D.1.1)** The shortest sticker is at $\frac{1}{8}$ inch and the longest is at $\frac{4}{8}$ inch. The difference is $\frac{4}{8} - \frac{1}{8} = \frac{3}{8}$ inch.
- 6) **Choice A is correct.** **(4.N.3.4)** The red arrow shows the first jump ($\frac{4}{12}$), the blue arrow shows the second jump ($\frac{3}{12}$). Together: $4 + 3 = 7$, so we reach $\frac{7}{12}$. ✓
- 7) **Choice D is correct.** **(4.GM.2.1)** $\angle EDF$ correctly names the angle because the vertex, D , is the middle letter. The middle letter always tells us the vertex.
- 8) **Choice B is correct.** **(4.N.3.4)** Same denominator, same rule: add the numerators ($4 + 5 = 9$), keep the denominator. Answer: $\frac{9}{10}$.
- 9) **Choice D is correct.** **(4.N.2.5)** Divide: $45 \div 5 = 9$, and $5 \div 5 = 1$. Each of the 5 libraries gets **91** books.
- 10) **Choice A is correct.** **(4.D.1.2)** There are 256 grams of seeds for 8 packets. Divide equally: $256 \div 8 = 32$ grams. Each packet has **32** grams of seeds.
- 11) **The correct answer is 80 ft.** **(4.GM.2.2)** Rope around the pool = $2(25) + 2(15) = 50 + 30 = 80$ ft.
- 12) **Choice C is correct.** **(4.N.3.8)** In 3,472, the digit 4 is in the hundreds place. Its value is $4 \times 100 = 400$. ✓
- 13) **Choice B is correct.** **(4.N.3.1)** We can divide both the numerator and denominator by 10 to simplify: $\frac{40}{100} = \frac{4}{10}$.
- 14) **Choice D is correct.** **(4.N.4.1)** Check the differences: $18 - 9 = 9$, $27 - 18 = 9$. Each increases by 9 (multiples of 9). ✓
- 15) **Choice A is correct.** **(4.N.3.1)** Divide both numerator and denominator by their GCF, which is 2: $\frac{10}{12} = \frac{10 \div 2}{12 \div 2} = \frac{5}{6}$. Simplest form! (5 and 6 share no common factors.)
- 16) **Choice C is correct.** **(4.N.3.1)** Look at the bars: $\frac{2}{5}$ is less than half (barely), $\frac{3}{6}$ is exactly half. Only $\frac{5}{8}$ clearly passes the halfway mark.
- 17) **The correct answer is A, C.** **(4.GM.1.1)** Angle 1 opens just a little (about 35°), making it acute. Angle 2 has that perfect right angle marker, so it's 90° . They're definitely not equal to each other!
- 18) **The correct answer is 90.** **(4.GM.2.1)** A right angle always measures 90° , which is **90** one-degree angles.
- 19) **Choice C is correct.** **(4.N.3.4)** Let's count the unit fractions: $\frac{1}{10}$ appears 8 times. The denominator stays 10, and the numerator is the count: $\frac{8}{10}$.
- 20) **Choice D is correct.** **(4.N.2.5)** The standard algorithm: multiply by ones ($37 \times 6 = 222$), then by tens ($37 \times 20 = 740$), then add ($222 + 740 = 962$). Choice D shows all three numbers.
- 21) **Choice D is correct.** **(4.D.1.3)** Convert all to meters to compare. 2 km = 2,000 m, 9,000 m stays 9,000 m, 3,500 m stays 3,500 m, and 15 km = 15,000 m. The longest is **15** kilometers.
- 22) **Choice D is correct.** **(4.N.4.1)** Test each: $21 = 3 \times 7$ (composite); $22 = 2 \times 11$ (composite); $24 = 2 \times 12$ (composite); 29 has no factors besides 1 and itself—**prime!**
- 23) **Choice A is correct.** **(4.A.2.2)** Three containers, each holding $\frac{2}{8}$ liter, hold $3 \times \frac{2}{8} = \frac{6}{8}$, which simplifies to $\frac{3}{4}$ liters.
- 24) **Choice A is correct.** **(4.N.3.1)** Start with tenths: $9 > 1$. Among the two with tenths = 9, compare hundredths: $9 > 1$, so $0.99 > 0.91$. Among the two with tenths = 1, compare hundredths: $9 > 1$, so $0.19 > 0.11$.
- 25) **Choice B is correct.** **(4.GM.2.1)** If three equal angles divide a circle: $360^\circ \div 3 = 120^\circ$ per angle.
- 26) **The correct answer is 0.** **(4.GM.1.3)** If a letter has no line of symmetry, the number of lines is zero, so the answer is 0.



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Trail Guide's Final Note

Hi, Brave Trail-Walker!

◇ You walked all 3 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

Guide's tip: on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Trail Guide

PRACTICE TODAY. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect for classroom use, homework, test preparation, and extra practice at home.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Confidence Building

★ CONFIDENCE TODAY.
SUCCESS TOMORROW!

WHAT STUDENTS WILL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Test Confidence

Become familiar with test-style questions and formats.



Prepare for Success

Build the confidence needed to do your best on test day.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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