

4 Oklahoma OSTP

GRADE
6
MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs

4

**PRINTED
TESTS**



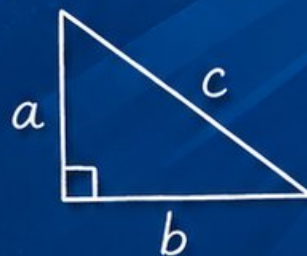
2

**ONLINE
TESTS**



- ✓ Build Confidence
- ✓ Master Key Math Skills
- ✓ Answer Explanations for Every Question
- ✓ Test-Taking Strategies That Work

$$2x + 5 = 21$$
$$x = 8$$



$$\frac{3}{4} + \frac{1}{2} = \frac{5}{4}$$



**USE THESE TWO
ADDITIONAL ONLINE
PRACTICE TESTS**

**FOR EXTRA REVIEW AFTER
THE PRINTED TESTS
IN THIS BOOK.**

4 Oklahoma OSTP Grade 6 Math Practice Tests

Standards-Aligned Plains-To-City Review Strength for Oklahoma School Testing Program

$436 + 289$ $A = 24$

1 2 3 4

4×10 $\frac{4}{5}$

4

complete Oklahoma practice rounds

Four complete 40-question Grade 6 practice rounds for OSTP, built for plains-to-city review strength with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

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, Oklahoma Math Explorer!

Four focused rounds using plains-to-city review strength

This book gives you four full Grade 6 practice tests for OSTP. Each round uses red-dirt roads, open skies, and focused math steps as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your Oklahoma Practice Promise

Stay grounded: list what you know, decide what is asked, and check the result.

Read

Plan

Check

How to Use This Book

A four-session routine for plains-to-city review strength

1. **Preview the skills.** Scan the quick review pages before beginning the first round.
2. **Mark confidence.** Put a small star beside problems where your plan felt strong.
3. **Work in order.** Take one 40-question test at a time in a quiet place.
4. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.
5. **Correct actively.** Retry missed items before reading the full explanation.

Oklahoma review rhythm: Complete one test, correct with patience, and use the next round to strengthen weak spots.



What Is Inside?

Four OSTP tests, 160 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 3–4	Skill-building and final stamina rounds with expressions, equations, geometry, data, and problem models.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Plains-to-city review strength means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	28
★ Practice Test 3	_____	44
★ Practice Test 4	_____	58
Practice Test Answer Keys	_____	75
Practice Test Answers and Explanations	_____	78

1) Evaluate: $7 \times 2 - 3 + 1$

A. 8

C. 14

B. 12

D. 18

2) A parallelogram has a base of 20 cm and an area of 140 cm^2 . What is its height?

A. 5 cm

C. 9 cm

B. 7 cm

D. 14 cm

3) A student had 25 dollars. After buying lunch, the student has -5 dollars (meaning the student owes 5 dollars). How much did lunch cost?

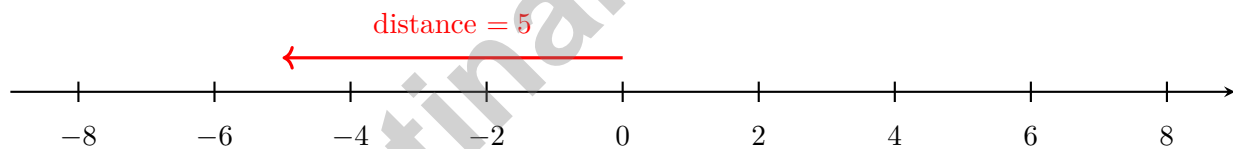
A. 20 dollars

C. 5 dollars

B. 25 dollars

D. 30 dollars

4)



The opposite of the opposite of -5 is:

A. 5

C. 0

B. 10

D. -5

5) On a number line, which number is between $-\frac{1}{2}$ and $\frac{1}{2}$?

A. -1

C. 0

B. -0.6

D. 1



- 6) A 10×10 grid has 52 shaded squares. What percent of the grid is shaded?

- 7) What are the coordinates of a point on the positive x -axis?

- A. $(0, 5)$ C. $(-3, 0)$
 B. $(0, -2)$ D. $(4, 0)$

- 8) Compare -0.2 and -0.02 . Which is greater?

- A. -0.2 C. They are equal
 B. Cannot compare D. -0.02

- 9) A worker earns \$15 per hour. Which equation relates total earnings E to hours worked h ?

- A. $E = 15 + h$ C. $E = \frac{15}{h}$
 B. $E = 15h$ D. $E = h - 15$

- 10) A company sells 480 products in one month. If 25% of the sales were online, how many products were sold online?



Scan me!
For more practice
& answers

11) A rectangular prism has a base area of 18 cm^2 and height 4 cm. What is the volume?

A. 22 cm^3

B. 36 cm^3

C. 54 cm^3

D. 72 cm^3

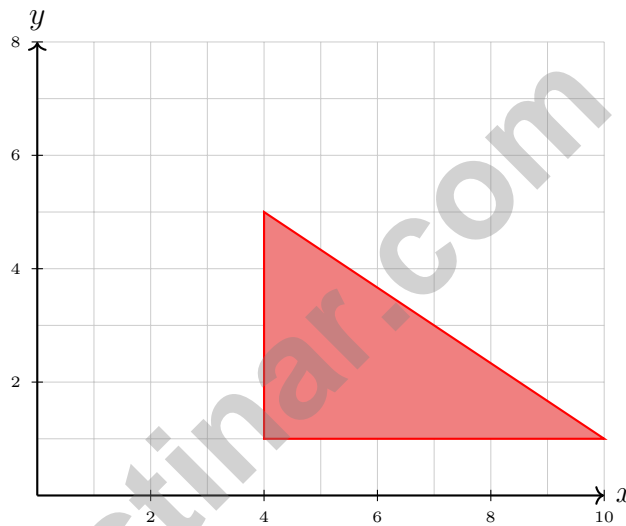
12) A rectangle has a perimeter of 28 units. If the length is 9 units, what is the width?

A. 4 units

B. 5 units

C. 6 units

D. 7 units



13)

A right triangle has vertices at $(4, 1)$, $(10, 1)$, and $(4, 5)$. What is its area?

A. 8 square units

B. 10 square units

C. 12 square units

D. 14 square units



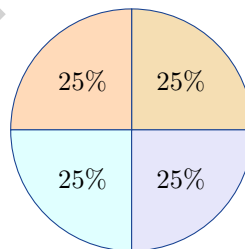
5) Find the Mean Absolute Deviation for: 6, 8, 10, 12, 14.

6) Find the median of the data set 2, 3, 4, 5, 100.

7) A number from 1 to 50 is selected at random. What is the probability that it is divisible by 5?

- A. $\frac{1}{50}$
 B. $\frac{1}{10}$

- C. $\frac{1}{5}$
 D. $\frac{1}{3}$



8)

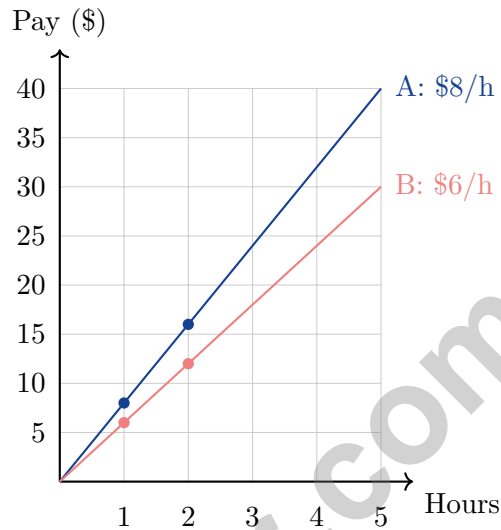
The circle graph shows equal portions of 120 total items. What is the measure of the central angle for each section?

- A. 45° C. 120°
 B. 75° D. 90°



Scan me!
For more practice
& answers

- 1) Two students compared their hourly pay rates. Student A earns \$8 per hour; Student B earns \$6 per hour. Which statement about the graph is true?



- A. Neither line passes through the origin
 B. Student A's line is steeper
 C. Neither relationship is proportional
 D. All of the above
- 2) A family budgets \$180 per month for groceries. This is 30% of their monthly income. What is their total monthly income?



3) What is $\frac{4}{5} \div \frac{2}{3}$?

- A. $\frac{8}{15}$
 B. $\frac{2}{15}$

- C. $\frac{10}{12}$
 D. $\frac{6}{5}$

4) A store has four items weighing: 0.75 kg, 1.2 kg, 0.8 kg, and 0.6 kg. What is the total weight?

- A. 3.95 kg
 B. 2.75 kg

- C. 3.35 kg
 D. 4.15 kg

5) What is the LCM of 10 and 15?

- A. 30
 B. 25

- C. 40
 D. 150

6) Expand $4(7 + 8)$.

- A. $28 + 32$
 B. $28 + 8$

- C. $4 + 15$
 D. 60

7) Which student correctly evaluated $|-7|$?

- A. Jordan: $|-7| = -7$ because it is negative
 B. Sam: $|-7| = 14$ because you add the digits

- C. Alex: $|-7| = 0$ because opposites cancel
 D. Maya: $|-7| = 7$ because absolute value is the distance from zero



Scan me!
For more practice
& answers

Oklahoma OSTP Practice Test Answer Keys

How to use this Oklahoma OSTP answer section with a Grade 6 student:

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to plains-to-city review strength
3. rework the problem before reading the full explanation, using this reminder:
Stay grounded: list what you know, decide what is asked, and check the result.

A calm Oklahoma correction routine turns every missed item into useful practice. Complete one test, correct with patience, and use the next round to strengthen weak spots.



Scan me!
For more practice
& answers

Oklahoma Practice Test Answers and Explanations

Review the four printed OSTP tests with grounded, determined, and ready for more practice habits.

Practice Test 1 Answers and Explanations

- Choice B is correct.** (6.N.2.4) Multiply first: $7 \times 2 = 14$. Then subtract and add from left to right: $14 - 3 = 11$, then $11 + 1 = 12$.
- Choice B is correct.** (6.GM.2.3) Using $140 = 20 \times h$, we get $h = 7$ cm.
- Choice D is correct.** (6.N.1.1) The student went from $+25$ to -5 . The change is $-5 - 25 = -30$, meaning the lunch cost 30 dollars.
- Choice D is correct.** (6.A.3.2) The opposite of -5 is 5. The opposite of 5 is -5 . So the opposite of the opposite returns to the original number.
- Choice C is correct.** (6.N.4.2) Zero lies between -0.5 and 0.5 on the number line, and is the only value in this range among the choices.
- The correct answer is 52%.** (6.N.1.3) A 10×10 grid has 100 squares total. If 52 are shaded, the percent is $\frac{52}{100} = 52\%$.
- Choice D is correct.** (6.A.1.1) Points on the x -axis have a y -coordinate of 0. For a point to be on the positive x -axis, the x -coordinate must be positive. The point $(4, 0)$ satisfies both conditions.
- Choice D is correct.** (6.N.1.1) -0.02 is closer to zero than -0.2 . Since $-0.02 > -0.2$, the answer is -0.02 .
- Choice B is correct.** (6.A.1.2) Earnings equal hourly rate multiplied by hours worked: $E = 15h$.
- The correct answer is 120.** (6.N.4.1) 25% of $480 = 0.25 \times 480 = 120$ products were sold online.
- Choice D is correct.** (6.N.4.4) $V = B \times h = 18 \times 4 = 72 \text{ cm}^3$.
- Choice B is correct.** (6.GM.2.3) Perimeter = $2(\text{length} + \text{width})$, so $28 = 2(9 + w)$, which gives $14 = 9 + w$, thus $w = 5$ units.
- Choice C is correct.** (6.GM.2.3) Base: $10 - 4 = 6$ units. Height: $5 - 1 = 4$ units. Area = $\frac{1}{2} \times 6 \times 4 = 12$ square units.
- Choice B is correct.** (6.N.1.3) The constant 30 is the fixed base cost. The term $0.10t$ varies with t texts, so 0.10 is the per-text rate.
- Choice B is correct.** (6.GM.2.3) For a right triangle, $A = \frac{1}{2} \times 9 \times 16 = 72 \text{ m}^2$.
- Choice A is correct.** (6.GM.1.2) Translate left by subtracting from x : $3 - 4 = -1$. Translate down by subtracting from y : $5 - 2 = 3$. So $A' = (-1, 3)$.
- Choice C is correct.** (6.N.4.4) With 2-digit stem: stem 11 (112, 115, 118) and stem 12 (121, 124, 125). Stem 12 has 3 leaves: 1, 4, 5.
- Choice A is correct.** (6.GM.2.1) Remainder after rent and food: $\$500 - \$200 - \$100 = \200 . Savings: 38% of $\$200 = 0.38 \times 200 = \76 .
- The correct answer is The constant of proportionality is 4, and the cost per unit is \$4.** (6.N.3.3) A is correct because $k = \frac{8}{2} = 4$. B is correct because the cost per unit is \$4. The equation is $y = 4x$, so Choice C is false; Choice D is false because the graph passes through $(0, 0)$; Choice E gives the wrong unit rate.
- Choice A is correct.** (6.A.1.2) Plan A: $c = 30m$ (passes through origin, proportional). Plan B: $c = 10m + 20$ (has constant term, not proportional because when $m = 0$, $c = 20 \neq 0$).
- Choice C is correct.** (6.N.2.4) Each category: $\$400 \div 5 = \80 .
- Choice C is correct.** (6.N.3.1) Actual dimensions: $4 \times 10 = 40$ km and $6 \times 10 = 60$ km. Area: $40 \times 60 = 2400 \text{ km}^2$.
- Choice C is correct.** (6.N.4.2) When multiplying the number of slices by the fraction of each slice, you get the total fraction, not divide.
- Choice A is correct.** (6.N.2.3) Multiply both by 10: $72 \div 8 = 9$.
- The correct answer is 200.** (6.N.1.1) Distance = Rate \times Time = $80 \times 2.5 = 200$ miles.
- Choice B is correct.** (6.N.2.6) Multiples of 8: 8, 16, 24, 32, ... Multiples of 12: 12, 24, 36, ... The least common multiple is 24.



Cheer Squad Final Pep Talk

Hi, Math Star!

◇ 4 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 4 times. That's real confidence. It is not pretend! ★

Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

Cheer tip: on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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

Jay Daie

Your Math Cheerleader

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 4 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

Each practice test is carefully crafted to reflect the latest standards and includes a variety of question types, realistic test conditions, and detailed answer explanations.

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

THIS BOOK INCLUDES:

4 Full-Length Printed Tests

2 Online Practice Tests

 Detailed Answer Explanations

 **MORE PRACTICE.
GREATER RESULTS.**

Give your child the tools to build strong math skills, confidence, and a positive attitude toward learning.

WHAT YOU'LL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deeper Understanding

Reinforce key concepts with clear explanations and meaningful practice.



Test Confidence

Familiarize with test formats and improve accuracy and speed.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

- ✓ Ratios & Rates
- ✓ The Number System
- ✓ Expressions & Equations
- ✓ Geometry
- ✓ Fractions & Decimals
- ✓ Percents
- ✓ Statistics & Probability
- ✓ Data Analysis
- ✓ Measurement & Conversions
- ✓ And More!



2 ONLINE TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.



VISIT [TESTINAR.COM/MATH6](https://www.testinar.com/math6)
FOR MORE PRACTICE TESTS
AND LEARNING RESOURCES



PRACTICE
REGULARLY



STAY
FOCUSED



SOLVE
CONFIDENTLY



SUCCEED
BRIGHTLY

PREPARE TODAY. SUCCEED TOMORROW!