

5

Iowa ISASP

Standards-Aligned Review with
Mixed Practice and Answer Key

A gold circular badge with a scalloped edge, containing the text "A+" in red. The badge is surrounded by colorful confetti and stars.

5 Iowa ISASP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five complete 30-question Grade 4 practice rounds for ISASP, built around farm fields, fairground patterns, and steady multiplication facts, with answer keys and clear explanations for every item.

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Welcome, Iowa Math Explorer!

Five steady rounds on the Hawkeye State math route

This book gives you five full Grade 4 practice tests for ISASP. Each round uses farm fields, fairground patterns, and steady multiplication facts to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Iowa 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 Iowa ISASP 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 Hawkeye 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?

Five tests, 150 questions, and a full ISASP review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

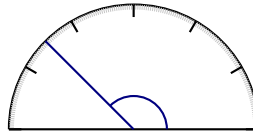
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	26
★ Practice Test 3	_____	37
★ Practice Test 4	_____	48
★ Practice Test 5	_____	60
Practice Test Answer Keys	_____	70
Practice Test Answers and Explanations	_____	74

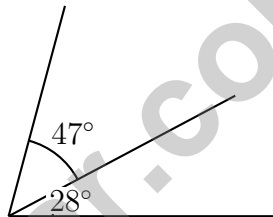


1)

What is the measure of the angle shown?

- A. 90 degrees C. 135 degrees
 B. 120 degrees D. 150 degrees

2) Look at the angle diagram. Two angles share a vertex. One angle measures 28° and the other measures 47° . Together, what is the total measure of both angles?



- A. 19° C. 104°
 B. 75° D. 90°

3) Kai has 15 toy cars. His mom gives him 9 more. He puts them all into 4 equal boxes. How many cars are in each box?

- A. 8 C. 9
 B. 5 D. 6



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4) On a number line, you start at 0 and make 3 jumps of $\frac{1}{4}$ each. Where do you land?

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

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

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

D. $\frac{4}{3}$

5) A carton of juice contains 3 liters. How much juice is in 9 cartons?

A. 12 L

B. 18 L

C. 27 L

D. 30 L

6) Mia watches the hour hand on a clock move from 2 to 5. How many degrees does it move?

7)

3 times

5

?

Harper collected 5 seashells. Jackson collected 3 times as many seashells as Harper. How many seashells did Jackson collect?



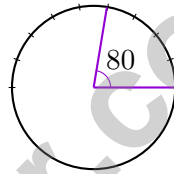
8) Look at the base-ten model below. What number does it represent?



- A. 6,142
- B. 4,612
- C. 1,462
- D. 4,162

9) A recipe needs 3 cups of milk. How many tablespoons is this? (Hint: 1 cup = 16 tablespoons)

- A. 16
- B. 24
- C. 32
- D. 48



10)

An angle turns through 80 one-degree angles. What is the measure of the angle?

- A. 8°
- B. 40°
- C. 80°
- D. 160°

11) A city library has 287,654 books. How is this number read?

- A. Two hundred eighty thousand, seven hundred fifty-four
- B. Two hundred thousand, eighty-seven thousand, six hundred fifty-four
- C. Twenty-eight thousand, seven hundred fifty-four
- D. Two hundred eighty-seven thousand, six hundred fifty-four



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1) There are 5 green marbles. There are 3 times as many red marbles as green marbles. Which equation shows how many red marbles there are?

A. $5 + 3 = 8$

C. $5 \times 3 = 15$

B. $5 - 3 = 2$

D. $5 \div 3$

2) What is 24×36 ?

A. 84

C. 864

B. 144

D. 924

3) How many pairs of parallel sides does a parallelogram have?



4) Jada has 3 stickers. Her brother has 5 times as many stickers. How many stickers does her brother have?

A. 8

C. 18

B. 35

D. 15

5) Which number rounds to 9,000 when rounded to the nearest thousand?

A. 8,499

C. 9,450

B. 8,401

D. 9,600



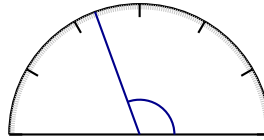
6) What is $2 \times \frac{4}{5}$?

A. $\frac{8}{10}$

B. $\frac{6}{5}$

C. $\frac{4}{10}$

D. $\frac{8}{5}$ or $1\frac{3}{5}$



7)

Noah measures this angle. Is it acute, right, obtuse, or straight?

A. Acute (less than 90 degrees)

B. Right (exactly 90 degrees)

C. Obtuse (between 90 and 180 degrees)

D. Straight (exactly 180 degrees)

8) How many times does 7 go into 2,849?

A. 407

B. 410

C. 413

D. 417

9) Which is a prime number between 20 and 30?

A. 21

B. 22

C. 24

D. 29



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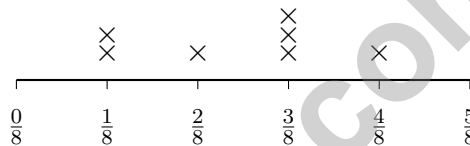
1) Diego needs to divide 1,625 into 5 equal groups. What is the result?

- A. 315 C. 335
 B. 305 D. 325

2) Which geometric figure has exactly one endpoint?

- A. A line C. A ray
 B. A line segment D. A point

3) 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

4) What is $\frac{4}{10}$ as a fraction with denominator 100?

- A. $\frac{4}{100}$ C. $\frac{40}{100}$
 B. $\frac{14}{100}$ D. $\frac{44}{100}$

5) Three friends share a sub sandwich. Friend A eats $\frac{4}{10}$, Friend B eats $\frac{3}{10}$, and Friend C eats the rest. What fraction did Friend C eat?

- A. $\frac{3}{10}$ C. $\frac{1}{10}$
 B. $\frac{7}{10}$ D. $\frac{2}{10}$



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

- Choice C is correct.** (4.MD.C.6) The second ray points directly to the 135° mark on the scale. Since 135° sits between the 90° and 180° benchmarks, it's obtuse. The answer is **135** degrees.
- Choice B is correct.** (4.MD.C.7) The diagram shows two angles meeting at one vertex. Add them together: $28^\circ + 47^\circ = 75^\circ$.
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: find Kai's total cars. $15 + 9 = 24$ cars. Step 2: equal boxes means divide: $24 \div 4 = 6$ cars in each box.
- Choice C is correct.** (4.NF.B.4) Starting at 0, each jump is $\frac{1}{4}$. After making 3 jumps, we have moved $3 \times \frac{1}{4} = \frac{3}{4}$ of the way.
- Choice C is correct.** (4.MD.A.2) Each carton holds 3 liters. For 9 cartons, multiply: $3 \times 9 = 27$ liters. There are **27** liters of juice.
- The correct answer is 90.** (4.MD.C.5) The hour hand moves 30° per hour. From 2 to 5 is 3 hours, so $3 \times 30^\circ = 90^\circ$.
- The correct answer is 15.** (4.OA.A.2) The bar model shows Jackson's bar is 3 equal pieces, each the size of Harper's 5 seashells. Multiply: $3 \times 5 = 15$ seashells.
- Choice D is correct.** (4.NBT.A.1) Count the blocks: 4 thousands, 1 hundreds, 6 tens, 2 ones. Add them: $4,000 + 100 + 60 + 2 = 4,162$. ✓
- Choice D is correct.** (4.MD.A.1) Since 1 cup = 16 tablespoons, multiply: $3 \times 16 = 48$ tablespoons. The answer is **48** tablespoons.
- Choice C is correct.** (4.MD.C.5) An angle that contains 80 one-degree angles measures **80°** .
- Choice D is correct.** (4.NBT.A.2) Breaking it: 287 thousands ("two hundred eighty-seven thousand") and 654 ones ("six hundred fifty-four") ✓
- Choice B is correct.** (4.MD.C.5) An angle is formed by two rays that share a common endpoint, called the vertex.
- Choice D is correct.** (4.NBT.B.5) Break 41: $21 \times (40 + 1) = 840 + 21 = 861$.
- Choice C is correct.** (4.NF.B.3) Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$. The total is **$3\frac{3}{4}$** yards.
- The correct answer is A, C.** (4.OA.A.1) Multiplicative comparisons use the words "times as many." Choice A (18 is 6 times as many as 3) and choice C (28 is 4 times as many as 7) both fit. Choices B, D, and E use "more" or "less," which are *additive* comparisons—not multiplicative.
- Choice A is correct.** (4.G.A.3) The letter *S* curves one way at the top and the opposite way at the bottom, like a snake. No fold line can make the two halves match. The answer is letter **S**.
- Choice A is correct.** (4.NF.A.1) Find common denominator 120: $\frac{9}{10} = \frac{108}{120}$, $\frac{7}{8} = \frac{105}{120}$, $\frac{5}{6} = \frac{100}{120}$, $\frac{3}{4} = \frac{90}{120}$. Since 108 is closest to 120, $\frac{9}{10}$ is closest to 1.
- Choice B is correct.** (4.G.A.1) Angle 1 is a small opening — less than 90° — so it's acute. Angle 2 opens much wider, more than 90° , making it obtuse.
- Choice D is correct.** (4.OA.B.4) Work backwards: if "add 3" gives 10, then the first term is $10 - 3 = 7$.
- Choice B is correct.** (4.NF.B.4) Six napkins at $\frac{1}{2}$ dollar each cost $6 \times \frac{1}{2} = \frac{6}{2} = 3$ dollars.
- Choice B is correct.** (4.NF.C.5) Mia made a common mistake. $\frac{5}{100} = 0.05$ (five hundredths), not 0.5. The fraction $\frac{5}{10}$ (five tenths) equals 0.5.
- Choice C is correct.** (4.NF.B.4) The multiples of $\frac{2}{3}$ are: $\frac{2}{3}, \frac{4}{3}, \frac{6}{3}, \dots$ Each one is obtained by multiplying $\frac{2}{3}$ by whole numbers. Since $\frac{4}{3} = 2 \times \frac{2}{3}$, the answer is $\frac{4}{3}$.
- Choice C is correct.** (4.NF.B.3) Isabella baked many cookies but sold some. Subtract the sold amount from the total: $4\frac{1}{2} - 1\frac{1}{2} = 3\frac{1}{2}$ trays of cookies left.
- Choice B is correct.** (4.NF.C.5) 0.08 has 0 tenths, while all the others have 8 tenths. Since $0 < 8$, 0.08 is the smallest.
- The correct answer is $1\frac{3}{5}$.** (4.NF.B.3) One whole is $\frac{5}{5}$, leaving $8 - 5 = 3$ more fifths. So $\frac{8}{5} = 1\frac{3}{5}$. ✓
- Choice C is correct.** (4.NF.B.3) Check each: A equals $\frac{4}{5}$ (less), B equals $\frac{4}{3}$ (more), C equals **1**, D equals $\frac{5}{4}$ (more). Only C = $\frac{5}{6} + \frac{1}{6} = 1$.



Hi, Math Athlete!

◇ 5 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

Trainer tip: on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

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

Jay Daie

Your Math Trainer

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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- ✓ Confidence Building

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Develop logical thinking and effective solution strategies.



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Measure growth across multiple practice tests.



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Reinforce important skills aligned with grade-level standards.



Prepare for Success

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

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- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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Answer Key Included

A+