

6 Arizona AASA

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 Arizona AASA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six complete 30-question Grade 4 practice rounds for AASA, built around canyon trails, desert sunsets, and sharp observation, with answer keys and clear explanations for every item.

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Welcome, Arizona Math Explorer!

Six steady rounds on the Grand Canyon math route

This book gives you six full Grade 4 practice tests for AASA. Each round uses canyon trails, desert sunsets, and sharp observation to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Arizona 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 Arizona AASA 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 Grand Canyon 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?

Six tests, 180 questions, and a full AASA review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 4–6	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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Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	26
★ Practice Test 3	_____	38
★ Practice Test 4	_____	50
★ Practice Test 5	_____	61
★ Practice Test 6	_____	73
Practice Test Answer Keys	_____	83
Practice Test Answers and Explanations	_____	87

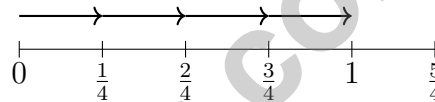
1) A shape has the following attributes: four sides, four equal sides, and no right angles. Which shape could it be?

- A. Trapezoid C. Rhombus
 B. Rectangle D. Triangle

2) What is 33×24 ?

- A. 660 C. 720
 B. 840 D. 792

3) Use the number line to find $4 \times \frac{1}{4}$.



- A. $\frac{1}{4}$ C. $\frac{2}{4}$
 B. $\frac{4}{4}$ or 1 D. $\frac{4}{16}$

4) A class did two separate measurements: Batch A has values $\frac{2}{8}$, $\frac{3}{8}$, $\frac{1}{8}$. Batch B has values $\frac{3}{8}$, $\frac{5}{8}$. What is the difference between the sum of Batch B and sum of Batch A?

- A. 0 C. $\frac{2}{8}$
 B. $\frac{1}{8}$ D. $\frac{3}{8}$

5) Maya painted $\frac{6}{9}$ of her bedroom wall on Monday and $\frac{2}{9}$ on Tuesday. What fraction of the wall did she paint in total?



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11) Which number sentence is true?

A. $\frac{3}{4} = \frac{9}{12}$

B. $\frac{2}{5} = \frac{4}{12}$

C. $\frac{1}{4} = \frac{2}{12}$

D. $\frac{5}{6} = \frac{10}{11}$


12) There are 2 balloons. There are 7 times as many stickers. How many stickers are there?

A. 7

B. 2

C. 9

D. 14

13) 

Elena has 2 books. Her friend has 3 times as many books. How many books does her friend have?

A. 5

B. 12

C. 8

D. 6

14) Which two statements are true? Select the two correct answers.

A. $0.9 > 0.89$

B. $0.09 < 0.9$

C. $0.9 = 0.09$

D. $0.89 > 0.9$

E. $0.9 < 0.8$



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1) An isosceles triangle (not equilateral) has how many lines of symmetry?

A. 0

C. 2

B. 1

D. 3

2) Add: $6,234 + 3,456 = ?$

3) Olivia has $2\frac{4}{8}$ hours of free time. She spends $1\frac{2}{8}$ hours playing games. How much free time does she have left?

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

C. $2\frac{2}{8}$

B. $3\frac{6}{8}$

D. $1\frac{6}{8}$

4) Find $5 \times \frac{1}{8}$.

5) A single tile is $\frac{2}{6}$ meter long. If you line up 9 tiles, what is the total length?



1) Which shows three multiples of $\frac{1}{4}$ in order?

A. $\frac{1}{4}, \frac{2}{8}, \frac{1}{2}$

B. $\frac{1}{4}, \frac{1}{8}, \frac{1}{12}$

C. $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}$

D. $\frac{2}{4}, \frac{4}{4}, \frac{8}{4}$

2) What is $9,876 - 5,432$?

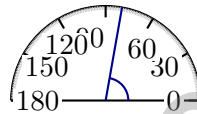
A. 4,344

B. 4,434

C. 5,444

D. 4,444

3)



What is the measure of the angle shown?

A. 80 degrees

B. 75 degrees

C. 85 degrees

D. 90 degrees

4) Which statement is true?

A. $99,999 > 100,000$

B. $100,001 < 100,000$

C. $100,000 = 100,000$

D. $99,999 < 99,998$

5) What decimal is equal to $0.2 + 0.09$?

A. 0.11

B. 0.29

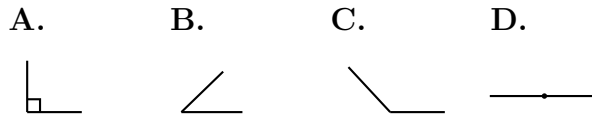
C. 0.209

D. 2.9



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6) Which diagram shows a right angle?



A. Diagram A

B. Diagram B

C. Diagram C

D. Diagram D

7) A frog makes three equal jumps to reach $\frac{9}{10}$. Each jump is:

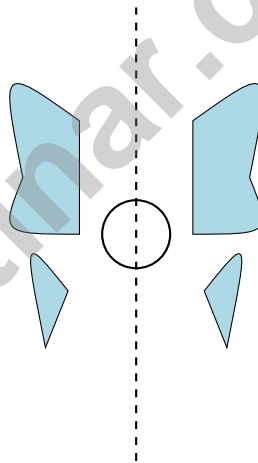
A. $\frac{3}{10}$

B. $\frac{2}{10}$

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

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

8) A butterfly wing is drawn below with a vertical dashed line down the middle. How many lines of symmetry does a butterfly have?



A. 0

B. 1

C. 2

D. Many



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.G.A.2) A rhombus has four equal sides and two pairs of parallel sides but does not have right angles. These attributes match the shape described in the problem. The answer is **C**.
- Choice D is correct.** (4.NBT.B.5) Decompose and multiply: $33 \times (20 + 4) = 660 + 132 = 792$.
- Choice B is correct.** (4.NBT.A.1) On the number line, we make 4 jumps of $\frac{1}{4}$ each, starting at 0 and landing at 1. So $4 \times \frac{1}{4} = \frac{4}{4} = 1$. The answer is **1**.
- Choice C is correct.** (4.MD.B.4) Batch A sum: $\frac{2}{8} + \frac{3}{8} + \frac{1}{8} = \frac{6}{8}$. Batch B sum: $\frac{3}{8} + \frac{5}{8} = \frac{8}{8}$. The difference is $\frac{8}{8} - \frac{6}{8} = \frac{2}{8}$.
- The correct answer is $\frac{8}{9}$.** (4.NF.B.3) Maya painted her bedroom wall over two days. Add the fractions with like denominators: $\frac{6}{9} + \frac{2}{9} = \frac{8}{9}$ of the wall was painted in total.
- Choice A is correct.** (4.MD.C.7) The ray rotates from one angle to a smaller one. The swept angle is: $127^\circ - 39^\circ = 88^\circ$.
- Choice B is correct.** (4.NF.B.3) Since $\frac{1}{3} < \frac{2}{3}$, regroup: $2\frac{1}{3} = 1\frac{4}{3}$. Now subtract: $1\frac{4}{3} - 1\frac{2}{3} = \frac{2}{3}$.
- The correct answer is 5.** (4.NF.B.3) The fraction $\frac{5}{9}$ means 5 pieces, each $\frac{1}{9}$. So the answer is **5** unit fractions.
- The correct answer is 864.** (4.NBT.B.5) Use long division: $3 \div 4 = 0$ r3, bring down the 4 to get $34 \div 4 = 8$ r2, bring down the 5 to get $25 \div 4 = 6$ r1, bring down the 6 to get $16 \div 4 = 4$. Each friend reads **864** pages.
- Choice D is correct.** (4.NBT.A.2) Breaking it: 495 thousands (“four hundred ninety-five thousand”) and 672 ones (“six hundred seventy-two”) ✓
- Choice A is correct.** (4.NF.A.1) Check option A: $\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$ ✓ True! The others fail: B gives $\frac{2}{5} = \frac{8}{20}$ (not $\frac{4}{12}$), C gives $\frac{1}{4} = \frac{3}{12}$ (not $\frac{2}{12}$), and D is clearly false.
- Choice D is correct.** (4.OA.A.1) “7 times as many” is a multiplication clue: $2 \times 7 = 14$ stickers.
- Choice D is correct.** (4.OA.A.2) The bar model shows the friend’s bar split into 3 equal pieces, each the size of Elena’s 2 books. So we multiply: $3 \times 2 = 6$ books.
- The correct answer is A, B.** (4.NF.C.5) A is true: Rewrite $0.9 = 0.90$. Compare: $90 > 89$ hundredths, so $0.9 > 0.89$. B is true: 0.09 has 0 tenths while 0.9 has 9 tenths, so $0.09 < 0.9$. C is false: they differ by 0.81 . D is false: $0.89 < 0.9$. E is false: $0.9 > 0.8$.
- Choice B is correct.** (4.NBT.A.1) The fraction $\frac{5}{6}$ means 5 copies of the unit fraction $\frac{1}{6}$, so $\frac{5}{6} = 5 \times \frac{1}{6}$. The answer is **5** copies.
- Choice C is correct.** (4.MD.C.5) An angle that is neither acute nor obtuse must be either a right angle (90 degrees) or a straight angle (180 degrees).
- Choice B is correct.** (4.MD.C.5) When an angle measures 55° , it is made of **55** one-degree angles.
- Choice A is correct.** (4.NF.A.1) Convert to common denominator: $\frac{1}{4} = \frac{2}{8}$. Since $\frac{3}{8} > \frac{2}{8}$, Maya ate more.
- Choice D is correct.** (4.G.A.3) A regular hexagon (6 equal sides) is balanced six ways. Three lines pass through opposite corners, and three pass through the middle of opposite sides. The answer is **6** lines of symmetry.
- Choice C is correct.** (4.MD.A.2) The game starts at 6:00 p.m. and ends at 8:30 p.m. From 6:00 to 8:00 is 2 hours, plus 30 more minutes. Total: 2 hours 30 minutes. The game is **2** hours **30** minutes long.
- Choice A is correct.** (4.NF.B.3) One whole equals $\frac{10}{10}$, plus $\frac{3}{10}$ more: $10 + 3 = 13$, so $\frac{10}{10} + \frac{3}{10} = \frac{13}{10} = 1\frac{3}{10}$ ✓.
- Choice A is correct.** (4.MD.C.5) The shaded region spans from 45° to 225° , which is 180° or $\frac{1}{2}$ of the full circle.
- Choice C is correct.** (4.OA.B.4) Build a pyramid: Figure 1 = 1, Figure 2 = $1 + 2 = 3$, Figure 3 = $1 + 2 + 3 = 6$. Figure 5 = $1 + 2 + 3 + 4 + 5 = 15$ circles.
- Choice B is correct.** (4.MD.A.1) Since 1 kilometer = 1,000 meters, multiply: $5 \times 1,000 = 5,000$ m. The answer is **5,000** m.
- Choice C is correct.** (4.G.A.1) A ray always starts at a specific point — in this case G — and stretches on and on forever in one direction, passing through H along the way.
- Choice D is correct.** (4.OA.B.4) To check if 56 is a multiple of 8, divide: $56 \div 8 = 7$ exactly (no remainder). Since $8 \times 7 = 56$, yes—56 is a multiple of 8.



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From Your Math Family

Hi, Math Family Member,

◇ Welcome to a special note from your math family. You finished 6 full practice tests, and that hard work matters more than any score. We see you. We are proud of you. ◇

★ **Our math family knows:** math is a journey. You have taken many steps already. The test is just one stop. Every skill you built is yours forever. ★

What Your Math Family Sees

- **Hard Work:** You keep showing up.
- **Real Growth:** You can do problems today you couldn't before.
- **Brave Heart:** You face hard problems with brave thinking.
- **Bright Future:** Your math journey is just beginning.

Family tip: on test day, picture us standing behind you, smiling and rooting for you. You are not alone. Your math family is with you!

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

Jay Daie

Your Math Family

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

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

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- ✓ Confidence Building

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



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