

5 Alabama A C A P

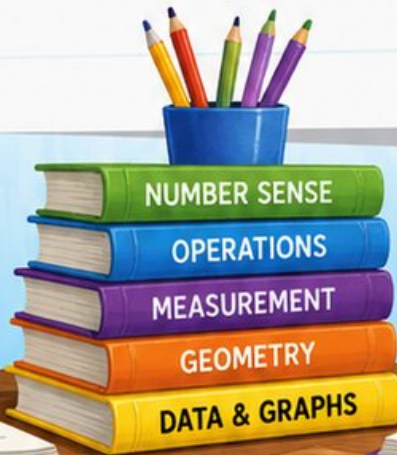
GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations

$$24 \div 3 = 8$$



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-
ALIGNED
PRACTICE



DETAILED
ANSWER KEYS



CLEAR
EXPLANATIONS
TO HELP YOU SUCCEED

5 Alabama ACAP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the Alabama ACAP. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Alabama has river roads, pine forests, Gulf beaches, and rocket history in Huntsville. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

Notice

Circle key words, units, and numbers before you start.

Build

Use arrays, number lines, equations, tables, or sketches.

Verify

Ask, "Does this answer fit the question?"

Five-checkpoint promise: I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

Best review habit: Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	Turn missed items into a clear next step.
Standards Reference	See how Alabama Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. That mix gives students practice with quick choices, careful reasoning, and short written answers.

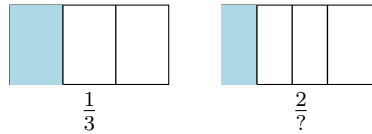


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& answers

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1) Look at the area models. $\frac{1}{3} = \frac{2}{?}$. What is the missing denominator?



- A. 4 C. 8
 B. 6 D. 10

2) Sam tiles a rectangle that is 4 tiles long and 3 tiles wide. How many tiles does he use in all?

- A. 7 C. 14
 B. 12 D. 24

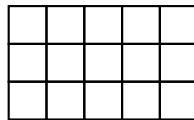
3) Which multiplication fact is true?

- A. $7 \times 6 = 48$ C. $9 \times 4 = 36$
 B. $8 \times 6 = 42$ D. $5 \times 9 = 50$

4) Which product is smaller?

- A. 2×80 C. They are equal
 B. 4×30 D. Cannot tell

5) Look at this rectangle made of unit squares:



How many unit squares are there?

- A. 8 unit squares C. 15 unit squares
 B. 12 unit squares D. 20 unit squares



11) Round 267 to the nearest 10.

A. 260

C. 270

B. 267

D. 300

12) Ben divides 35 trading cards equally among 5 friends. How many cards does each friend get?

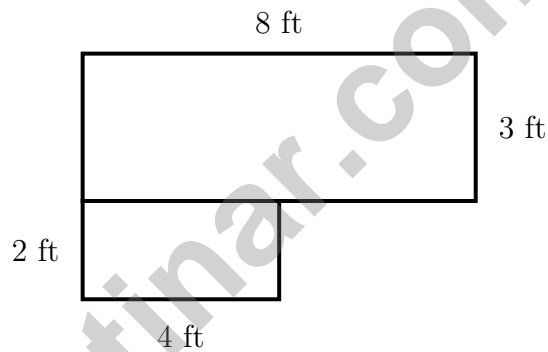
A. 30

C. 6

B. 8

D. 7

13) An L-shaped pool is made of two rectangles. The first is 8 ft long and 3 ft wide. The second is 4 ft long and 2 ft wide. What is the total area?



A. 24 sq ft

C. 48 sq ft

B. 8 sq ft

D. 32 sq ft



1) A glass of water weighs 250 grams. A glass of milk weighs 280 grams. How much heavier is the glass of milk?

- A. 20 g C. 250 g
 B. 30 g D. 530 g

2) What is 7×7 ?

- A. 42 C. 56
 B. 63 D. 49

3) At what time does the hour hand and minute hand point straight up on a clock?

- A. 3 : 00 C. 9 : 00
 B. 6 : 00 D. 12 : 00

2	1	6
hundreds	tens	ones

4)

The place-value chart shows the number 216. What is $216 + 384$?

- A. 600 C. 500
 B. 601 D. 610

5) A picture graph shows apples in baskets. The key says each apple symbol represents 5 apples. Basket A has 2 symbols and Basket B has 4 symbols. How many apples are there in total in both baskets?



6) If $5 \times 70 = 350$, what is 70×5 ? Why?

- A. 350; the order doesn't matter in multiplication (commutative property).
 B. 75; we add the two numbers.
 C. 3500; 70×5 is bigger than 5×70 .
 D. 350; but for a different reason—we add a zero because of the 0 in 70.

7) Which fraction represents 5 whole items?

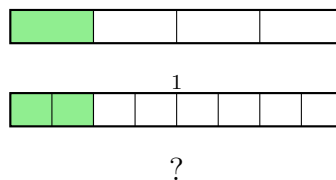
- A. $\frac{5}{5}$
 B. $\frac{1}{5}$
 C. $\frac{5}{1}$
 D. $\frac{5}{2}$

8) On a number line from 0 to 1 divided into 8 equal parts, which two fractions name the same point?



- A. $\frac{1}{2}$ and $\frac{4}{8}$
 B. $\frac{2}{8}$ and $\frac{3}{8}$
 C. $\frac{3}{8}$ and $\frac{5}{8}$
 D. $\frac{2}{4}$ and $\frac{6}{8}$

9) Look at the bars. Match the fractions.



- A. $\frac{1}{2}$
 B. $\frac{2}{4}$
 C. $\frac{2}{8}$
 D. $\frac{3}{6}$



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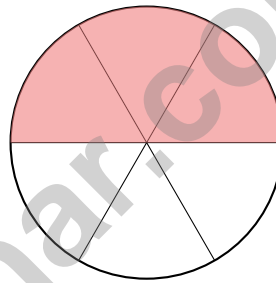
1) If you split the distance from 0 to 1 into 2 equal pieces, each piece is what fraction?

- A. $\frac{1}{2}$
 C. $\frac{1}{3}$ (confusing 2 with 3)
- B. $\frac{2}{2}$ (the whole)
 D. $\frac{2}{1}$ (reversed fraction)

2) Which equation matches the tiling shown by a rectangle with one line cutting it vertically into two parts?

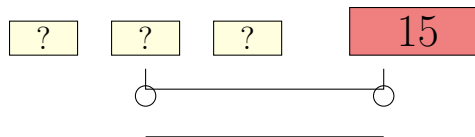
- A. $7 \times (3 + 2) = (7 \times 3) + (7 \times 2)$
 C. $7 + 3 + 2 = 12$
- B. $3 \times 2 = 6$
 D. $(3 \times 7) + (2 \times 7) = 35 + 14$

3) A circle is divided into 6 equal parts. Three parts are shaded. Which fraction shows the shaded part?



- A. $\frac{1}{6}$
 C. $\frac{3}{3}$
- B. $\frac{3}{6}$
 D. $\frac{2}{6}$

4) A balance scale shows 3 equal weights on one side and 15 on the other. Each weight is the same. What is the unknown weight?



$$\square \times 3 = 15$$

- A. 7
 C. 4
- B. 6
 D. 5



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- 5) Sam has fact cards for $3 \times 6 = 18$. Which division fact is related?
- A. $18 \div 3 = 6$ C. $6 \div 3 = 2$
 B. $18 \div 2 = 9$ D. $18 + 3 = 21$
- 6) Mia has $\frac{4}{2}$ apples. How many whole apples does she have?
- A. 2 C. 1
 B. 4 D. $\frac{1}{2}$
- 7) Which fraction is equivalent to $\frac{1}{3}$?
- A. $\frac{1}{6}$ C. $\frac{3}{6}$
 B. $\frac{2}{6}$ D. $\frac{1}{4}$
- 8) Which number is missing from the multiplication fact family? $_ \times 5 = 35$
- A. 6 C. 8
 B. 9 D. 7
- 9) Sam plants 7 rows of tomato seeds with 8 seeds in each row. Some seeds do not grow and only 50 seeds sprout. How many seeds did not sprout?
- A. 6 C. 15
 B. 8 D. 56
- 10) A line plot shows pencil lengths in inches: 5, $5\frac{1}{2}$, 6, $6\frac{1}{2}$. There are 2 X's at 5 inches and 1 X at 6 inches. If the mode is $5\frac{1}{2}$ inches, what is the least possible number of X's at the mode?
- A. 1 C. 3
 B. 2 D. 5



Practice Test Answer Keys

How to use this section with a Grade 3 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 B is correct.** **(3.NF.A.3b)** The numerator was multiplied by 2 (from 1 to 2). Multiply the denominator by 2: $3 \times 2 = 6$. So $\frac{1}{3} = \frac{2}{6}$.
- 2) **Choice B is correct.** **(3.MD.C.7a)** Multiply length \times width: $4 \times 3 = 12$ tiles. Shows tiling result matches multiplication.
- 3) **Choice C is correct.** **(3.OA.C.7)** $9 \times 4 = 36$ is correct. The others: $7 \times 6 = 42$, $8 \times 6 = 48$, $5 \times 9 = 45$.
- 4) **Choice B is correct.** **(3.NBT.A.3)** $2 \times 80 = 160$ and $4 \times 30 = 120$. Since $120 < 160$, the product 4×30 is smaller.
- 5) **Choice C is correct.** **(3.MD.C.5b)** Counting rows and columns: 5 units wide and 3 units tall gives $5 \times 3 = 15$ unit squares.
- 6) **The correct answer is 2800 g.** **(3.MD.A.2)** Convert: $2 \text{ kg} = 2000 \text{ g}$. Add: $2000 + 500 + 300 = 2800 \text{ g}$.
- 7) **Choice B is correct.** **(3.OA.D.8)** Step 1: Add: $12 + 8 = 20$ cookies. Step 2: Subtract: $20 - 6 = 14$ cookies. (Choice C is step 1 only; choice A ignores new cookies.)
- 8) **Choice B is correct.** **(3.MD.C.7c)** Use the distributive property: multiply 6 by each part, then add.
- 9) **Choice C is correct.** **(3.MD.B.4)** Range = max - min = $13 - 12 = 1 \text{ cm}$.
- 10) **Choice D is correct.** **(3.OA.D.9)** From 6 to 12 is $+6$; from 12 to 18 is $+6$. The constant difference is 6.
- 11) **Choice C is correct.** **(3.NBT.A.1)** The ones digit is 7. Since $7 \geq 5$, round up: 267 rounds to 270.
- 12) **Choice D is correct.** **(3.OA.A.3)** Divide: $35 \div 5 = 7$ cards per friend.
- 13) **Choice D is correct.** **(3.MD.C.7d)** Rectangle 1: $8 \times 3 = 24 \text{ sq ft}$. Rectangle 2: $4 \times 2 = 8 \text{ sq ft}$. Total: $24 + 8 = 32 \text{ sq ft}$.
- 14) **Choice A is correct.** **(3.NF.A.1)** The rectangle is divided into 4 equal parts, and 1 part is shaded. The fraction is $\frac{1}{4}$ (one-fourth). The numerator is 1 and the denominator is 4.
- 15) **Choice A is correct.** **(3.MD.C.5a)** Shape M is $2 \times 2 = 4$ unit squares. Shape N is $4 \times 1 = 4$ unit squares. Both are equal.
- 16) **Choices A and C are correct.** **(3.MD.D.8)** Perimeter is the total distance around the outside (A). For rectangles, $P = 2\ell + 2w$ (C). Options B and E describe area, and option D is wrong because perimeter and area are different measurements.
- 17) **Choice C is correct.** **(3.NF.A.3a)** $\frac{2}{4}$ simplifies to $\frac{1}{2}$. They represent the same region: one-half.
- 18) **Choice C is correct.** **(3.OA.B.5)** This is false. $8 \times 6 = 48$ but $7 \times 6 + 1 = 42 + 1 = 43$. Option C does not follow any property.
- 19) **Choice A is correct.** **(3.MD.C.5)** Shape X has an area of 15 square units, which is larger than Shape Y's 9 square units. More space inside means greater area.
- 20) **Choice D is correct.** **(3.OA.A.4)** The picture shows 3 groups with 5 circles in each group, so the matching equation is $3 \times 5 = \square$.
- 21) **Choice B is correct.** **(3.MD.B.3)** Blue: $5 \times 2 = 10$ ribbons. Red: $3 \times 2 = 6$ ribbons. More: $10 - 6 = 4$.
- 22) **Choice B is correct.** **(3.MD.C.7)** Lily's area = $6 \times 5 = 30 \text{ sq units}$. Mia's area = $7 \times 4 = 28 \text{ sq units}$. $30 > 28$, so Lily's is larger.
- 23) **Choice B is correct.** **(3.NF.A.3d)** Same numerator, different denominators. One third has bigger pieces than one sixth. Ava has a larger piece.
- 24) **The correct answer is 5.** **(3.OA.A.2)** $20 \div 4 = 5$. Each bag has 5 cookies.
- 25) **Choice C is correct.** **(3.NF.A.2a)** Two parts split in half each gives $2 \times 2 = 4$ parts.
- 26) **Choice A is correct.** **(3.NF.A.3c)** $\frac{6}{2}$ means 6 halves. 2 halves make 1 whole, so $6 \div 2 = 3$ wholes. The bar is divided into 3 sections (thick lines).
- 27) **Choice A is correct.** **(3.MD.C.6)** Area = $6 \times 4 = 24$ square units.
- 28) **Choice D is correct.** **(3.OA.A.1)** $4 \times 5 = 20$, $5 \times 4 = 20$, and $10 + 10 = 20$. But $3 \times 6 = 18$, which is not 20.
- 29) **Choice B is correct.** **(3.NF.A.2)** Counting from left, the mark is at the 2nd tick out of 6 equal parts, so it is $\frac{2}{6}$.
- 30) **The correct answer is 26 minutes.** **(3.MD.A.1)** From 11 : 38 to 12 : 00 is 22 minutes. From 12 : 00 to 12 : 04 is 4 minutes. Total: $22 + 4 = 26$ minutes.



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

Jay Daie

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$$\begin{array}{r} 7 \times 8 \\ = 56 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



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