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Alabama ACAP

GRADE 3 MATH PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE,
WORD PROBLEMS, AND ANSWER KEY

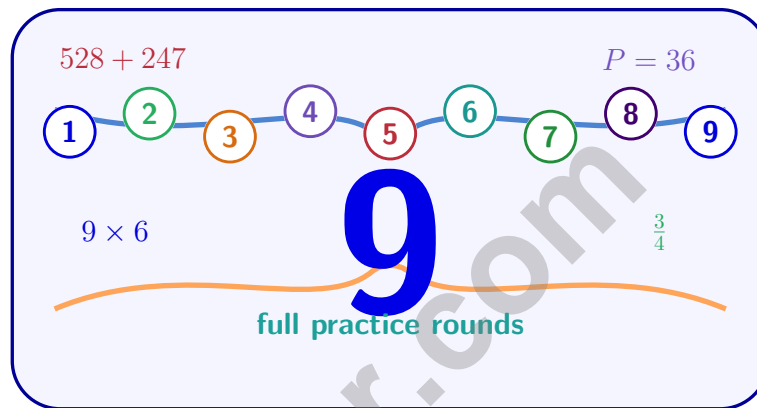


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FOR THE COMPREHENSIVE ASSESSMENT PROGRAM

9 Alabama ACAP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 3 practice rounds with operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Alabama, Start Your Nine-Round Math Rally

A steady Grade 3 path from first try to confident finish

This book gives you nine chances to practice like a thoughtful Alabama test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly. Treat every question like a clue: read it, mark what matters, solve it, and check that your answer fits.

Your Alabama Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

Nine rounds is not about rushing. It is about building a math habit that stays strong.

How to Use This Book

A nine-session routine for clear, confident review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

Good rhythm: Test one day, review the next day, then take the next test when your corrections feel clear.



What Is Inside the Nine Tests?

Mixed Grade 3 practice with standards support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A standards reference and standard-code boxes in explanations

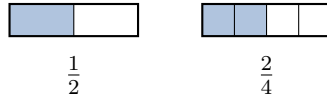
Why mixed practice helps: Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.



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1)

Are $\frac{1}{2}$ and $\frac{2}{4}$ equivalent? Explain using the bars.

- A. Yes, they cover the same amount C. No, $\frac{2}{4}$ is larger
 B. No, $\frac{1}{2}$ is larger D. They cannot be compared

2) What is 7×9 ?

- A. 56 C. 70
 B. 63 D. 81

3) Ben starts his chores at 3 : 14 PM. He finishes at 3 : 56 PM. How long does Ben do chores?

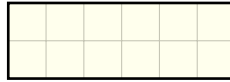
- A. 38 minutes C. 42 minutes
 B. 40 minutes D. 45 minutes

4) A picture graph shows balloons. Each balloon is 1 balloon. Ty has 7 balloons, Sam has 4 balloons. How many balloons do they have altogether?

- A. 3 C. 11
 B. 7 D. 12

5) Write a fraction equivalent to $\frac{3}{6}$.

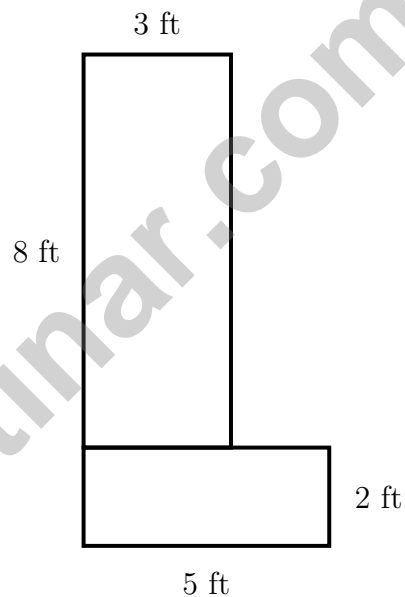
6) This grid shows a rectangle on unit squares.



What is the area in square units?

- A. 8 sq units C. 12 sq units
 B. 10 sq units D. 14 sq units

7) An L-shaped garden is divided into two rectangles by a dashed line. The vertical part is 3 ft by 8 ft. The horizontal part is 5 ft by 2 ft. What is the total area?



- A. 10 sq ft C. 34 sq ft
 B. 24 sq ft D. 240 sq ft



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8) Which division sentence relates to $4 \times 9 = 36$?

A. $36 \div 4 = 9$

C. $36 + 4 = 40$

B. $36 \div 9 = 5$

D. $36 - 9 = 27$

9) Ben multiplies two odd numbers: $3 \times 5 = 15$.

What can you say about the product of two odd numbers?

 A. The product is always even

 C. The product is always greater than

 B. The product is always a multiple
of 5

 10

 D. The product is always odd

10) Noah has $\frac{4}{1}$ pencils. How many whole pencils?

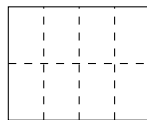
A. 1

C. 4

B. 2

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

11) Find $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$.



12)

This rectangle is divided into equal parts. What multiplication sentence shows this?

A. $2 \times 2 = 4$

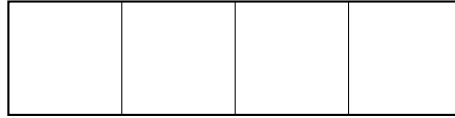
C. $5 \times 2 = 10$

B. $3 \times 2 = 6$

D. $4 \times 2 = 8$

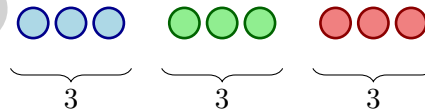


- 1) Lily has a sandwich shaped like a rectangle. She cuts it into 4 equal pieces to share with friends. What fraction is each piece?



- A. $\frac{1}{3}$
 C. $\frac{2}{4}$
 B. $\frac{1}{4}$
 D. $\frac{4}{4}$
- 2) A square is 5 unit squares long on each side. How many unit squares cover it?
- A. 20 unit squares
 C. 12 unit squares
 B. 10 unit squares
 D. 25 unit squares
- 3) Mia had some stickers. She gave away 145 stickers and has 238 left. How many stickers did Mia have at the start?

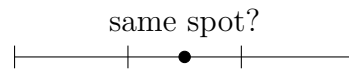
- 4) Which division sentence matches this picture?



- A. $9 \div 1$
 C. $3 \div 3$
 B. $9 + 3$
 D. $9 \div 3$



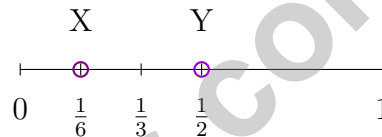
5) Which number line shows $\frac{3}{6}$ and $\frac{1}{2}$ at the same position?



- A. They cannot both be shown. C. $\frac{3}{6}$ is to the left.
 B. $\frac{3}{6}$ is to the right. D. They are at the same spot.

6) A rectangular poster has an area of 45 square inches. The width of the poster is 5 inches. Find the length of the poster. (Hint: Area = length \times width.)

- A. 9 inches C. 50 inches
 B. 8 inches D. 40 inches



7)

Which statement is true about points X and Y on the number line?

- A. X is $\frac{1}{6}$ and Y is $\frac{1}{2}$ C. Both X and Y are greater than $\frac{1}{3}$
 B. X is $\frac{1}{4}$ and Y is $\frac{1}{3}$ D. X is less than $\frac{1}{6}$



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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 A is correct.** (3.15) One half and two fourths cover equal areas in the bars. They are equivalent fractions.
- 2) **Choice B is correct.** (3.7) $7 \times 9 = 63$. Think: $7 \times 10 = 70$, then subtract one group of 7: $70 - 7 = 63$. Choice C is 7×10 ; choice A is 7×8 .
- 3) **Choice C is correct.** (3.18) From 3 : 14 to 3 : 56: $56 - 14 = 42$ minutes.
- 4) **Choice C is correct.** (3.16) $7 + 4 = 11$ balloons.
- 5) **The correct answer is $\frac{1}{2}$.** (3.15) $\frac{3}{6} = \frac{1}{2}$.
- 6) **Choice C is correct.** (3.21) 6 units wide \times 2 units tall = 12 unit squares.
- 7) **Choice C is correct.** (3.23) Vertical part: $3 \times 8 = 24$ sq ft. Horizontal part: $5 \times 2 = 10$ sq ft. Total: $24 + 10 = 34$ sq ft.
- 8) **Choice A is correct.** (3.6) $36 \div 4 = 9$ is related to $4 \times 9 = 36$ through the inverse relationship.
- 9) **Choice D is correct.** (3.9) Odd \times odd always gives an odd number. For example: $1 \times 1 = 1$, $3 \times 3 = 9$, $5 \times 7 = 35$.
- 10) **Choice C is correct.** (3.15) $\frac{4}{1} = 4$. Any number over 1 equals that number.
- 11) **The correct answer is $\frac{3}{8}$.** (3.2) Add the numerators: $1 + 1 + 1 = 3$, so the sum is $\frac{3}{8}$.
- 12) **Choice D is correct.** (3.2) The rectangle has 4 columns and 2 rows of equal parts. So $4 \times 2 = 8$ parts in total.
- 13) **Choice B is correct.** (3.23) The shaded rectangle is 4 units wide and 3 units tall. $4 \times 3 = 12$ square units.
- 14) **Choice C is correct.** (3.13) Nine equal parts means each part is $\frac{1}{9}$ of the whole square.
- 15) **Choice C is correct.** (3.15) $\frac{4}{8}$ and $\frac{1}{2}$ mark the same location on the number line.
- 16) **Choice B is correct.** (3.26) In a square (and all rectangles and rhombuses), both pairs of opposite sides are parallel.
- 17) **Choices A and C are correct.** (3.8) Step 1: Total boxes: $60 \div 6 = 10$ boxes, so A is true. Step 2: Figures sold: $5 \times 6 = 30$ figures, so B is false. The remaining figures are $60 - 30 = 30$, so C is true. D is false because each box has 6 figures, and E is false because 30 figures remain.
- 18) **Choice A is correct.** (3.14) Point X is at $\frac{1}{4}$, while Point Y is at $\frac{1}{8}$. Since $\frac{1}{4} = \frac{2}{8}$, Point X is farther from 0.
- 19) **Choice B is correct.** (3.20) $8 \times 4 = 32$ square units.
- 20) **Choice B is correct.** (3.15) Multiply numerator and denominator by 2: $\frac{1 \times 2}{3 \times 2} = \frac{2}{6}$.
- 21) **Choice D is correct.** (3.4) Divide: $45 \div 9 = 5$ pencils per student.
- 22) **Choice D is correct.** (3.2) $24 \div 6 = 4$. Divide the total pages by the number of days.
- 23) **Choice B is correct.** (3.20) Area = width \times height = $10 \times 8 = 80$ square inches.
- 24) **Choice C is correct.** (3.21) Length times width: $5 \times 3 = 15$ unit squares of 1 inch by 1 inch.
- 25) **The correct answer is 450 mL.** (3.19) Subtract total poured out: $200 + 150 = 350$ mL. Remaining: $800 - 350 = 450$ mL.
- 26) **Choice B is correct.** (3.12) The unit fraction is $\frac{1}{3}$. The second tick is at two unit fractions: $2 \times \frac{1}{3} = \frac{2}{3}$.
- 27) **Choice A is correct.** (3.20) Multiply the outside number by each part inside, then add.
- 28) **Choice A is correct.** (3.12) Since $8 \times 20 = 160$, the missing number is 8. Check: $8 \times 2 = 16$, add a zero to get 160.
- 29) **Choice B is correct.** (3.14) On a 0-to-1 line, $\frac{3}{4}$ is at the 3rd mark (distance 0.75 from 1), while $\frac{1}{4}$ is at the 1st mark (distance 0.25 from 1). So $\frac{3}{4}$ is much closer.
- 30) **Choice A is correct.** (3.20) The most common diameter is 2 inches because it has 3 X's, which is more than any other value.

Practice Test 2 Answers and Explanations

- 1) **Choice C is correct.** (3.15) $\frac{3}{4} = \frac{6}{8}$ because both represent three-fourths of the rectangle.



Lab Notes for a Young Scientist

Hi, Curious Scientist!

◇ 9 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

STRONG TODAY. SUCCESS TOMORROW.

Give your child the tools they need to excel in **Grade 3 Math!** This book includes **9 complete practice tests** that follow grade-level standards and help students build confidence, sharpen skills, and achieve success.

9
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- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ And More!



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