

# 5 Full-Length Alaska AK STAR Grade 3 Math Practice Tests

*Extra Practice for Test Day Success*

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PRACTICE MAKES PROGRESS

# 5 Practice Tests to Build Your Skills!

Hello, math explorer! ★

This book has **5 full-length practice tests** designed to help you grow stronger with every try. Each test covers everything you've learned in Grade 3 — numbers, operations, fractions, shapes, and more!

- ✔ Test by test, you'll spot what you're **great at!**
- ✔ You'll discover what to **practice more!**
- ✔ By test 5, you'll feel **totally ready!**

Grab your pencil and let's grow together! 🌱

“ Five tests gives you room to grow. Each time you take one, you'll understand a little more. That's how real learning works! ”

# How to Use This Book

Your guide to getting the most from 5 practice tests!

## What's Inside This Book

- **5 Full-Length Practice Tests** — Each covers all Grade 3 math topics, just like the tests at school!
- **Detailed Answer Explanations** — Don't just check your answers — learn from them! Every question has a step-by-step explanation.
- **Reference Pages** — Handy math symbols chart and multiplication table you can use during every test.
- **Test Tracker** — Log your scores, spot patterns, and watch yourself improve test by test!

## Your 5-Week Practice Plan

Spread your tests over 5 weeks for the best results:

**Week 1:** Take Test 1 (untimed). Review every answer.

**Week 2:** Study tricky topics. Take Test 2 (soft timer).

**Week 3:** Take Test 3 (timed). Compare with Test 1!

**Week 4:** Focus on weak spots. Take Test 4 (timed).

**Week 5:** Take Test 5 like the real thing. Celebrate!

### Multiple Choice

Choose the **best answer** from A, B, C, or D.

💡 **Pro tip:** Read all four choices before deciding. Sometimes the last option is the right one!

### Short Answer

**Show your work** and write your answer clearly.

💡 **Pro tip:** Even if you're not 100% sure, writing your steps can earn you partial credit!

### “ The Secret to Getting Better ”



Here's how learning works: **Take a test** → **Check your answers** → **Study the ones you missed** → **Try again**. Each test is a chance to learn something new. Don't worry about being perfect — focus on being better than last time!

🌱 **Remember:** Growth happens one test at a time.  
By test 5, you won't believe how far you've come! 🌱

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# 💡 Strategies for Success 💡

Smart habits that make you better with every test!

## 🕒 Get Set Up Right

- ✔️ **Eat a good meal first** — your brain needs energy to do its best thinking.
- ✔️ **Clear your desk** — only pencils, eraser, scratch paper, and this book.
- ✔️ **Take 3 deep breaths** — breathe in (1...2...3), breathe out (1...2...3). Feel calmer?
- ✔️ **Set a goal** — not a score, but a habit! Like: "I'll show my work on every problem."

## 🔍 Read Like a Math Detective

1. **Read the whole question** before looking at the answer choices.
2. **Circle the key numbers** and **underline what it's asking**. (Example: "How many more does she have?")
3. **Decide what operation to use** — add, subtract, multiply, or divide?
4. **Solve it on scratch paper first**, then look at the choices.
5. **Check:** Does your answer make sense? Is it too big? Too small?

## 🕒 Timing Yourself

- Tests 1–2: No timer needed! Just get comfortable.
- Tests 3–4: Try a gentle timer (60 minutes).
- Test 5: Full test conditions — quiet room, timed, no help.
- Don't rush! Speed comes naturally with practice.

## 📖 Learn from Mistakes

After each test:

- Read the explanation for every wrong answer
- Write down the topic (fractions? word problems?)
- Review that topic before the next test
- Try the same type of problem again
- Celebrate what you got **right!**



“Here’s a secret: the kids who improve the most aren’t the ones who never make mistakes — they’re the ones who **learn** from them! Every wrong answer is a clue about what to study next. That’s why 5 tests is so powerful — you have room to grow!”

# X<sup>1</sup> Math Reference Sheet X<sup>1</sup>

You may use this page during your practice tests!

Symbol	Name	What It Means	
+	Plus (Add)	Put numbers together.	$3 + 5 = 8$
-	Minus (Subtract)	Take away from a number.	$9 - 4 = 5$
×	Times (Multiply)	Add equal groups.	$4 \times 3 = 12$
÷	Divide	Split into equal groups.	$12 \div 3 = 4$
=	Equals	Both sides are the same.	$2 + 3 = 5$
>	Greater Than	The left number is bigger.	$7 > 3$
<	Less Than	The left number is smaller.	$2 < 9$
$\frac{1}{2}$	Fraction Bar	Part of a whole. $\frac{1}{2}$ means 1 out of 2 equal parts	

## Key Math Words

- **Sum** — the answer when you add
- **Difference** — the answer when you subtract
- **Product** — the answer when you multiply
- **Quotient** — the answer when you divide
- **Factor** — a number you multiply
- **Array** — objects in rows and columns
- **Fraction** — a part of a whole
- **Numerator** — the top number in a fraction
- **Denominator** — the bottom number
- **Equation** — a math sentence with =
- **Estimate** — a smart guess, close to the real answer
- **Perimeter** — the distance around a shape
- **Area** — the space inside a shape
- **Rounding** — making a number simpler by going to the nearest ten or hundred

 **Word Problem Clue Words**

- **Add (+):** *in all, total, altogether, combined, sum, both, more*
- **Subtract (–):** *how many more, how many left, fewer, difference, remain*
- **Multiply (×):** *each, every, groups of, times, rows of, per*
- **Divide (÷):** *share equally, split, each group, how many groups, per*

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PREVIEW

PRACTICE TEST

1

## Practice Test 1

 30 Questions

### Before You Start

- ✓ *Read each question carefully before choosing your answer.*
- ✓ *Show your work on scratch paper when you need to.*
- ✓ *Skip hard questions and come back to them later.*
- ✓ *Check your answers when you're done.*
- ✓ *Take your time — there's no rush!*

★ *You've Got This!* ★

*Do your best and show what you know!*



1. What is the expanded form of 2,810?

(A)  $2,000 + 800 + 10$

(B)  $2,000 + 810$

(C)  $2,000 + 80 + 10$

(D)  $200 + 80 + 10$

2. Round 655 to the nearest 10 and to the nearest 100.

Your Answer:

3. Is 456 even or odd?

Your Answer:

4. What is  $213 + 425$ ?

(A) 628

(B) 638

(C) 648

(D) 538

5. What is  $3,148 + 2,536$ ?

(A) 5,574

(B) 5,674

(C) 5,684

(D) 5,784

6. Estimate  $793 - 348$  by rounding each number to the nearest ten.

Your Answer:



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7. Which multiplication sentence means the same as  $7 + 7 + 7$ ?

(A)  $7 \times 7$

(B)  $3 \times 7$

(C)  $7 \times 1$

(D)  $7 + 3$

8. What is  $4 \times 6$ ?

Your Answer:

9. Emma has 28 beads. She puts 7 beads on each bracelet. How many bracelets can she make?

Your Answer:

10. Which set of numbers forms a fact family?

(A) 3, 5, 8

(B) 4, 7, 28

(C) 6, 8, 42

(D) 5, 9, 50

11. Find the missing number in this pattern: 9, 18, ?, 36, 45.

Your Answer:

12. A sandwich is cut into 2 equal halves. You eat both halves. Write the fraction you ate.

Your Answer:



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13. Is  $\frac{0}{4}$  to the left or right of  $\frac{1}{4}$  on a number line?

- (A) To the right                      (B) At the same spot  
(C) To the left                        (D) It is not on the number line

14. Which unit fraction is the largest?

- (A)  $\frac{1}{8}$                                       (B)  $\frac{1}{6}$   
(C)  $\frac{1}{3}$                                       (D)  $\frac{1}{2}$

15. Write a fraction with denominator 8 that is equivalent to  $\frac{3}{4}$ .

Your Answer:

16. How do you write the whole number 3 as a fraction with denominator 1?

- (A)  $\frac{1}{3}$                                       (B)  $\frac{3}{3}$   
(C)  $\frac{3}{1}$                                       (D)  $\frac{1}{1}$

17. Put these fractions in order from smallest to largest:  $\frac{1}{6}$ ,  $\frac{5}{6}$ ,  $\frac{3}{6}$

- (A)  $\frac{5}{6}$ ,  $\frac{3}{6}$ ,  $\frac{1}{6}$                       (B)  $\frac{1}{6}$ ,  $\frac{3}{6}$ ,  $\frac{5}{6}$   
(C)  $\frac{3}{6}$ ,  $\frac{1}{6}$ ,  $\frac{5}{6}$                       (D)  $\frac{1}{6}$ ,  $\frac{5}{6}$ ,  $\frac{3}{6}$

18. The short hand on a clock is past the 2 and the long hand points to the 7. What time does the clock show?

Your Answer:





25. Jake measured 15 sticks. His line plot shows 14 X marks total. What most likely happened?

- (A) He measured one stick twice                      (B) He put one X mark in the wrong place  
(C) He forgot to plot one measurement              (D) Nothing is wrong

26. A shape has 5 sides and 5 vertices. What is the name of this shape?

- (A) Hexagon    (B) Pentagon  
(C) Octagon    (D) Quadrilateral

27. All 6 faces of a cube are which 2D shape?

- (A) Rectangles                                        (B) Circles  
(C) Triangles                                         (D) Squares

28. A rectangle is 10 cm long and 4 cm wide. What is its area?

Your Answer:

29. A square has sides of 6 inches. What is the perimeter?

- (A) 12 in    (B) 18 in  
(C) 24 in    (D) 36 in

30. A rectangle is partitioned into 6 equal parts. If 2 parts are shaded, what fraction is shaded?

Your Answer:



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## ★ End of Practice Test 1 ★

*Great job finishing the test!*

### My Score

*I got \_\_\_\_\_ out of 30 questions right.*

*Check your answers in the **Answer Key** at the back of the book.*

 *Review any questions you missed. That's how we learn!*

THANK YOU

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