

# 3 North Carolina NC EOG Grade 3 Math Practice Tests

*Full-Length Test Prep with Detailed Answer Explanations*

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## 3 Practice Tests to Get You Started!

Hey there, future math whiz! ★

This book has **3 full practice tests** to help you warm up for the real thing. Think of it like stretching before a big game — these tests will get your brain ready and show you what to expect!

👍 Three tests is the **perfect start!**

👍 Each one helps you feel **more ready!**

👍 You'll be surprised how much you **already know!**

Sharpen your pencil and let's get warmed up! 🔥

“ Three practice tests is a great way to start. Take your time with each one, and you'll feel more confident every step of the way! ”

# How to Use This Book

*Your quick-start guide to 3 great practice tests!*

## What's Inside This Book

- **3 Full-Length Practice Tests** — Each one covers all the Grade 3 math topics you need to know!
- **Answer Key with Explanations** — Find out why each answer is correct, not just what the answer is.
- **Reference Pages** — A math symbols chart and multiplication table you can peek at any time.
- **A Test Tracker** — Write down your scores and watch your confidence grow!

## A Simple 3-Test Plan

With just 3 tests, here's a great way to use them:

- **Test 1 The Warm-Up.** Take this test without a timer. Get comfortable with the question types. Don't worry about your score — just do your best!
- **Test 2 The Practice Round.** After reviewing Test 1, try this one with a timer (ask a grown-up!). Focus on the topics that were tricky last time.
- **Test 3 The Real Deal.** Treat this like the actual test: quiet room, timed, no peeking at answers. See how much you've improved!

### Multiple Choice

Pick the **one best answer** from choices A, B, C, or D. Not sure? Cross out the ones you know are wrong, then pick from what's left. That's a smart move!

### Short Answer

Write your answer **and** show your work! Even if your final answer isn't right, showing your steps can earn you credit. Use scratch paper if you need more room.

## After Each Test



Flip to the Answer Key and check your work. For every question you got wrong, **read the explanation carefully**. Then write the tricky topics on your Test Tracker page. If you need extra help, grab our **Grade 3 Math Study Guide!**

★ **Fun fact:** *Three tests is all it takes to see real improvement! Most kids feel way more confident after just a few rounds of practice.* ★

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# 💡 Tips for Test Day 💡

*Easy tricks to help you feel calm and do your best!*

## 🌙 The Night Before

- ✔ **Sleep early** — your brain learns while you sleep!
- ✔ **Pack your supplies** — pencils, eraser, scratch paper, all ready to go.
- ✔ **Tell yourself:** "I've been practicing. I'm going to do great!"

## 👉 5 Simple Rules for Every Test

1. **Read the question twice.** The first time to understand it. The second time to catch details.
2. **Show your work.** Write the steps down, even on scratch paper. It helps you think!
3. **Skip the hard ones.** Put a small star next to tricky questions and come back later. Answer the easy ones first!
4. **Never leave a blank.** For multiple choice, your best guess is better than no answer at all.
5. **Check your work.** Finished early? Go back and re-read your answers.

## ✔ Smart Moves

- Take a deep breath before you begin
- Underline key words in the question
- Use drawings or number lines to help
- Cross out wrong answers first
- Double-check addition and subtraction

## ✖ Traps to Avoid

- Rushing and not reading carefully
- Picking the first answer that "looks right"
- Forgetting to carry or borrow numbers
- Skipping a question permanently
- Panicking when you see a tough problem



“ Remember, the very first practice test is the hardest — not because the questions are harder, but because everything is new! By Test 3, you'll feel like a pro. Trust me! ”

# 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. Which number has a 4 in the hundreds place and a 7 in the thousands place?

(A) 4,731

(B) 7,431

(C) 7,341

(D) 3,470

2. Which number rounds to 500 when rounded to the nearest 100?

(A) 428

(B) 449

(C) 462

(D) 551

3. Which group contains only even numbers?

(A) 12, 34, 57

(B) 20, 46, 88

(C) 31, 50, 72

(D) 14, 63, 90

4. Marcus says  $276 + 358 = 534$ . What mistake did he most likely make?

(A) He forgot to regroup in the ones column

(B) He forgot to regroup in the tens column

(C) He added the hundreds digits incorrectly

(D) He subtracted instead of adding

5. What is  $6,500 + 4,500$ ?

(A) 10,000

(B) 10,100

(C) 11,000

(D) 11,100

6. Estimate  $248 + 175 + 362$  by rounding each number to the nearest hundred.

Your Answer:



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7. A spider has 8 legs. How many legs do 6 spiders have altogether? Write a multiplication sentence and solve.

Your Answer:

8. Mia says  $3 \times 9 = 29$ . What is the correct answer?

(A) 26

(B) 27

(C) 28

(D) 30

9. What is  $8 \div 8$ ?

Your Answer:

10. Which set of numbers does NOT form a fact family?

(A) 3, 9, 27

(B) 6, 7, 42

(C) 4, 5, 25

(D) 8, 8, 64

11.  $\text{Odd} \times \text{odd} = ?$

(A) Always even

(B) Always odd

(C) Sometimes even, sometimes odd

(D) Always 0

12. Which fraction has a numerator of 2 and a denominator of 6?

(A)  $\frac{6}{2}$

(B)  $\frac{2}{6}$

(C)  $\frac{2}{2}$

(D)  $\frac{6}{6}$



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13. Is  $\frac{3}{3}$  at 0 or at 1 on the number line?

Your Answer:

14. What is special about ALL unit fractions?

- (A) They all have the same denominator      (B) They all equal 1  
(C) They all have 1 as the numerator      (D) They are all less than  $\frac{1}{2}$

15.  $\frac{2}{4} = \frac{?}{2}$ . What is the missing numerator?

Your Answer:

16. Write 4 as a fraction with denominator 3.

- (A)  $\frac{4}{3}$       (B)  $\frac{3}{4}$   
(C)  $\frac{7}{3}$       (D)  $\frac{12}{3}$

17. Tom ate  $\frac{3}{8}$  of a pizza. Mia ate  $\frac{5}{8}$  of the same pizza. Who ate more?

- (A) Tom      (B) Mia  
(C) They ate the same amount      (D) Cannot tell

18. You eat dinner at 6:30 in the evening. Is this A.M. or P.M.?

Your Answer:



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19. Emma started reading at 3:30 and stopped at 4:10. How long did she read?

- (A) 30 minutes                      (B) 40 minutes  
(C) 50 minutes                      (D) 1 hour and 10 minutes

20. 9,000 grams = how many kilograms?

- (A) 9 kg                              (B) 90 kg  
(C) 900 kg                          (D) 9,000 kg

21. A pitcher holds 8 liters of juice. The family drinks 3 liters. How much juice is left?

- (A) 3 L                              (B) 5 L  
(C) 8 L                              (D) 11 L

22. You have 3 quarters, 2 dimes, and 1 nickel. How much money do you have in cents?

Your Answer:

23. What is  $\$2.50 + \$1.25$ ?

- (A) \$3.25                          (B) \$3.75  
(C) \$4.75                          (D) \$3.55

24. A picture graph has the key: Each ★ = 5 books. The row for Jake has 3 stars. How many books did Jake read?

- (A) 3                                  (B) 5  
(C) 8                                  (D) 15



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25. A line plot shows pencil lengths. There are 3 X marks above  $1\frac{1}{2}$  inches. What does this mean?

- (A) 3 pencils are  $1\frac{1}{2}$  inches long      (B)  $1\frac{1}{2}$  pencils are 3 inches long  
(C) The total length is  $4\frac{1}{2}$  inches      (D) There are 3 pencils in all

26. Which statement about a rectangle is TRUE?

- (A) All 4 sides are always equal.      (B) It has exactly 3 right angles.  
(C) It has 4 right angles and 2 pairs of equal sides.      (D) It has no parallel sides.

27. How many flat faces does a cone have?

Your Answer: \_\_\_\_\_

28. A square has sides that are 7 inches long. What is its area?

- (A) 14 sq in      (B) 28 sq in  
(C) 42 sq in      (D) 49 sq in

29. Lily says a rectangle that is 5 cm long and 3 cm wide has a perimeter of 15 cm. What mistake did she make?

- (A) She subtracted instead of adding.      (B) She found the area instead of the perimeter.  
(C) She forgot to add all 4 sides.      (D) She divided instead of multiplying.



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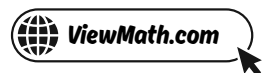


30. If one pizza is cut into 4 equal slices and another identical pizza is cut into 8 equal slices, which slices are bigger?

- (A) The  $\frac{1}{8}$  slices
- (B) The  $\frac{1}{4}$  slices
- (C) They are the same size.
- (D) You cannot tell.



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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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