7 Arkansas ATLAS Grade 3 Math Practice Tests

Comprehensive Test Prep with Detailed Answers

Dr. A. Nazari

7 Practice Tests to Train Like a Champion!

Welcome, math champion! 🏆

You've got **7 full-length practice tests** ahead of you — that's the kind of serious training that turns good math students into great ones. Athletes train before the big game, and that's exactly what you're doing here!

🎖 Each test sharpens your **skills**!

🎖 Each test builds your **speed**!

🎖 By test 7, you'll be **unstoppable**!

Lace up your math shoes — it's training time! 🏃

> **"** Seven tests is a real commitment, and I'm impressed you're taking it on! By the end, you'll know these topics inside and out. **"**

📘 *Your Training Plan* 📘

How to get the most from 7 practice tests!

📋 What's in Your Training Kit

- ***7 Full-Length Practice Tests*** — *Enough to build real mastery over every Grade 3 math topic!*
- ***Complete Answer Key*** — *Detailed step-by-step explanations for every single question.*
- ***Reference Pages*** — *Math symbols chart and multiplication table to use during tests.*
- ***Champion Tracker*** — *Record your scores, set goals, and track your improvement.*

📅 3-Phase Training Plan

🚩 Phase 1: Warm-Up *(Tests 1–2)*

Take these without a timer. Get comfortable with the format. Review answers carefully. Identify your strong and weak topics.

🏃 Phase 2: Build Speed *(Tests 3–5)*

Start using a timer. Focus on the topics that tripped you up in Phase 1. Practice showing your work neatly. Compare scores to earlier tests!

🏆 Phase 3: Game Day *(Tests 6–7)*

Simulate full test conditions: quiet room, timed, no help. These are your final dress rehearsals. You've trained for this!

⚪ Multiple Choice

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

Champion strategy: *Solve it first without looking at the choices. Then find your answer in the list. This prevents tricky wrong answers from confusing you!*

✏️ Short Answer

Show your work *and write a clear answer.*

Champion strategy: *Write out every step, then re-read the question to make sure you answered what it actually asked — not what you thought it asked!*

❝ *The Champion's Review* ❞

After every test: **(1)** *Check your answers.* **(2)** *Read every explanation.* **(3)** *Write down topics to review.* **(4)** *Study those topics.* **(5)** *Take the next test. This cycle is what separates good scores from great ones!*

🏅 *7 tests, 7 chances to improve.* *Champions aren't born —
they're built through practice. You're already on your way!* 🏅

💡 Champion Strategies 💡

Pro-level tips to help you perform your best!

🚩 Your Pre-Test Routine

Champions do the same routine before every game. Here's yours:

1. **Clear your desk.** Only pencils, eraser, scratch paper, and this book.

2. **Take 5 deep breaths.** Slow and steady. Feel your body relax.

3. **Set your goal.** Write it down: "Today I will…" (show my work, stay calm, check every answer).

4. **Start the timer** and go!

↻ The 3-Pass Method

This is how the best test-takers work through a test:

Pass 1: **The Quick Sweep.** Go through every question. Answer the ones you know right away. Put a small dot next to the ones that need more thought.

Pass 2: **The Deep Dive.** Go back to the dotted questions. Read them again carefully. Use scratch paper. Try different strategies.

Pass 3: **The Final Check.** Review all your answers. Did you fill in every blank? Do any answers look weird? Double-check your math.

🧩 Crack Word Problems

1. Read the problem. Read it again.

2. Circle the **numbers**.

3. Underline the **question**.

4. Decide: add, subtract, multiply, or divide?

5. Solve. Check: does the answer make sense?

⚠ Top 5 Mistakes

1. Answering too fast without reading

2. Using the wrong operation ($+$ instead of $\times$)

3. Forgetting to regroup (carry/borrow)

4. Misreading a number (36 vs. 63)

5. Leaving questions blank

> **"** *With 7 tests, you can actually see your strategy improving! Pay attention to how you take each test, not just your score. Are you reading more carefully? Showing more work? Staying calmer? Those are champion moves!* **"**

$\mathbf{X^1}$ *Math Reference Sheet* $\mathbf{X^1}$

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.	$9 - 4 = 5$
$\times$	Times (Multiply)	Add equal groups.	$4 \times 3 = 12$
$\div$	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*

Contents

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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 is the expanded form of* 4,307*?*

(A) $4,000 + 300 + 70$

(B) $4,000 + 300 + 7$

(C) $4,000 + 30 + 7$

(D) $400 + 30 + 7$

2. *A farmer has* 274 *apples. About how many apples does the farmer have, rounded to the nearest* 10*?*

(A) 260

(B) 270

(C) 280

(D) 300

3. *Which number is even?*

(A) 43

(B) 57

(C) 64

(D) 81

4. *What is* $189 + 247$*?*

(A) 326

(B) 336

(C) 426

(D) 436

5. *What is* $2,999 + 1,001$*?*

(A) 3,000

(B) 3,990

(C) 4,000

(D) 4,010

6. *Estimate* $482 + 315$ *by rounding each number to the nearest hundred.*

(A) 700

(B) 800

(C) 900

(D) 797

7. In the multiplication sentence $6 \times 4 = 24$, what are the factors?

- (A) 6 and 24
- (B) 4 and 24
- (C) 6 and 4
- (D) 24 only

8. What is 4×9?

- (A) 32
- (B) 36
- (C) 40
- (D) 45

9. In $18 \div 3 = 6$, what is the dividend?

- (A) 3
- (B) 6
- (C) 18
- (D) 54

10. How many facts are in the fact family for $6, 6, 36$?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

11. Look at the column for $\times 2$ in a multiplication table: $2, 4, 6, 8, 10, 12, \ldots$ What do you notice?

- (A) All the numbers are odd
- (B) All the numbers are even
- (C) The numbers go up by 3
- (D) The numbers go up by 4

12. A shape is divided into 4 parts, but the parts are NOT equal. Can you write a fraction for the shaded part?

(A) Yes, it is $\frac{1}{4}$

(B) Yes, any shaded part is a fraction

(C) No, fractions require equal parts

(D) No, you need 8 parts for a fraction

13. What does the denominator tell you about the number line?

(A) How far to hop

(B) Where to start

(C) How many equal parts the segment from 0 to 1 is split into

(D) The total length of the number line

14. Put these in order from smallest to largest: $\frac{1}{2}$, $\frac{1}{6}$, $\frac{1}{4}$.

Your Answer:

15. Which fraction is equivalent to $\frac{1}{2}$?

(A) $\frac{1}{4}$

(B) $\frac{2}{4}$

(C) $\frac{3}{4}$

(D) $\frac{1}{3}$

16. What whole number does $\frac{9}{3}$ equal?

(A) 1

(B) 3

(C) 6

(D) 9

17. Write $<$, $>$, or $=$: $\frac{1}{4}$ ___ $\frac{1}{8}$

Your Answer:

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18. A clock shows the short hand past the 3 and the long hand on the 9. What time is it?

(A) 9:03

(B) 9:15

(C) 3:09

(D) 3:45

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19. A road trip ended at 3:30 P.M. The trip took 2 hours and 15 minutes. What time did it start?

Your Answer:

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20. You buy 4 bags of sugar. Each bag has a mass of 500 g. What is the total mass in grams?

Your Answer:

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21. A fish tank holds 25 liters of water. You drain 8 liters for cleaning. How much water is left?

(A) 8 L

(B) 17 L

(C) 25 L

(D) 33 L

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22. Liam buys an apple for $0.85 and a banana for $0.40. He pays with a $5 bill. How much change does he get?

(A) $3.25

(B) $3.75

(C) $4.15

(D) $4.60

23. *Subtract:* $12.00 - $7.45

Your Answer:

_____

24. In a picture graph, the row for Apples has 6 symbols and the row for Bananas has 4 symbols. Each symbol stands for 3 fruits. How many more apples are there than bananas?

(A) 2

(B) 6

(C) 10

(D) 18

25. A line plot shows shell lengths. There are X marks above these values: 1 in., $1\frac{1}{4}$ in., $1\frac{1}{2}$ in., $1\frac{3}{4}$ in., and 2 in. What kind of numbers are on this line plot?

(A) Only whole numbers

(B) Fractions (quarter inches)

(C) Only even numbers

(D) Decimals

26. How many sides does a polygon with 7 vertices have?

(A) 5

(B) 6

(C) 7

(D) 8

27. Which 3D shape has 0 faces, 0 edges, and 0 vertices?

(A) Cube

(B) Cylinder

(C) Cone

(D) Sphere

28. A square has sides of 8 feet. What is the area?

Your Answer:

_____

29. *A rectangle is 8 cm long and 6 cm wide. What is the perimeter?*

Your Answer:

30. *A rectangle is partitioned into 6 equal parts. If 5 parts are shaded, what fraction is NOT shaded?*

Your Answer:

⭐ *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!*

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