10 Arizona AASA Grade 3 Math Practice Tests

The Ultimate Test Prep Collection with Answer Explanations

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10 Practice Tests —

The Ultimate Math Workout!

Welcome, math master! 👑

*You're holding the **ultimate practice test book** — 10 complete tests that will take you from good to great. This is the most thorough math test training you can get, covering every Grade 3 topic from every angle!*

👑 *10 tests means **300 questions** of pure practice!*

👑 *Every topic covered **multiple times**!*

👑 *By the end, you'll **master** the math test!*

This is your moment. Let's make it count! 🚀

> 66 *Ten practice tests! That's the commitment of a true math master. By the end of this book, there won't be a single question type that can surprise you!* 99

📘 *Your Mastery Plan* 📘

A complete guide to conquering 10 practice tests!

🔢 *What's Inside This Book*

- **10 Full-Length Practice Tests** — *300 questions covering every Grade 3 math topic from every angle!*
- **Complete Answer Explanations** — *Every question has a detailed step-by-step solution so you truly understand.*
- **Reference Pages** — *Math symbols chart and multiplication table to use whenever you need them.*
- **Mastery Tracker** — *Track scores, set milestones, and see your journey from start to finish!*

📖 *Your 10-Test Roadmap*

- 🟣 *Tests 1–3*   **Learn the Ropes.** *No timer. Discover strengths and gaps.*
- 🔵 *Tests 4–6*   **Build Momentum.** *Start timing. Study weak spots between tests.*
- 🟠 *Tests 7–9*   **Push Your Limits.** *Full test conditions. Aim for personal bests.*
- 🟢 *Test 10*   **The Grand Finale!** *Your ultimate performance. You're ready!*

💡 **Tip:** *One test per week over 10 weeks is the ideal pace.*

⚪ *Multiple Choice*

Pick the best answer from A, B, C, or D.

Master tip: *After you pick an answer, ask yourself: "Why are the other three wrong?" If you can explain that, you truly understand the concept!*

✏️ *Short Answer*

Show your work and write a clear answer.

Master tip: *Write your steps as if you're teaching a friend. If someone could follow your work and get the same answer, you've shown your work the right way!*

❝ *The Mastery Cycle* ❞

With 10 tests, you have the space to truly master each topic. After every test: **(1)** *Check answers.* **(2)** *Study the explanations.* **(3)** *Practice tricky topics using our* **Grade 3 Math Study Guide.** **(4)** *Take the next test and watch your score climb!*

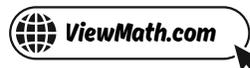👑 **10 tests. 300 questions. 1 amazing math master.** *That's you!* 👑

💡 Master-Level Strategies 💡

Expert tricks to help you ace every single test!

👑 Your Test-Day Routine

*Do this before **every single test**. Make it a habit!*

1. **Rest & refuel** — *Get sleep the night before. Eat well.*
2. **Set up your workspace** — *Clear desk. Pencils, eraser, scratch paper.*
3. **Set your intention** — *"Today I'll focus on showing my work." or "Today I'll double-check every answer."*
4. **Deep breaths** — *3 slow breaths to focus your mind.*
5. **Start!** — *Remember: this is practice. You're here to learn.*

🛠 Advanced Problem-Solving

1. **Read, re-read, then plan.** *Read the question. Read it again. Then decide how to solve it.*
2. **Estimate first.** *Before you calculate, make a rough guess. If your answer is way off from your estimate, something went wrong!*
3. **Use elimination on multiple choice.** *Cross out 1–2 wrong answers before picking. This boosts your odds!*
4. **Draw it out.** *Fractions, arrays, word problems — a quick sketch often reveals the answer.*
5. **Label everything.** *Write "apples," "cm," "$" next to your numbers. It catches silly mistakes.*
6. **Work backwards to check.** *Got $24 \div 6 = 4$? Check: $4 \times 6 = 24$. Perfect!*

🕐 Smart Pacing

- **First pass:** *Answer everything you know quickly (~30 min)*
- **Second pass:** *Tackle the harder questions (~15 min)*
- **Third pass:** *Check all answers (~10 min)*
- *Don't spend more than 2 minutes on any single question*
- *Star the hard ones and come back!*

🧠 The Mastery Mindset

- *Mistakes are data, not failures*
- *Compare yourself to your past self, not others*
- *Focus on understanding, not memorizing*
- *Every test you take makes the next one easier*
- *You're training, not being tested!*

> 66 *Here's the truth: after 10 tests, you'll know these math topics better than almost anyone in your class. Not because you're "smarter," but because you* **practiced more**. *That's the secret behind every math master!* 99

X¹ Math Reference Sheet X¹

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. What is the value of the digit 6 in the number 6,215?

(A) 6

(B) 60

(C) 600

(D) 6,000

2. What is 895 rounded to the nearest 100?

(A) 800

(B) 890

(C) 900

(D) 1,000

3. Write the next three odd numbers after 49.

Your Answer:

4. When adding $385 + 247$, what is the first step?

(A) Add $3 + 2$

(B) Add $8 + 4$

(C) Add $5 + 7$

(D) Add $3 + 2 + 1$

5. What is $3,000 - 1,456$?

(A) 1,444

(B) 1,544

(C) 1,554

(D) 2,544

6. A bakery made 478 muffins on Saturday and 325 muffins on Sunday. About how many muffins were made in total? Round to the nearest hundred.

(A) 700

(B) 800

(C) 803

(D) 900

7. *What is 1×6?*

(A) 0

(B) 1

(C) 6

(D) 7

8. *There are 7 days in a week. How many days are in 9 weeks?*

Your Answer:

9. *What is $24 \div 3$?*

(A) 6

(B) 7

(C) 8

(D) 9

10. *Find the missing number: $? \times ? = 49$ where both missing numbers are the same.*

(A) 6

(B) 7

(C) 8

(D) 9

11. *If you know $6 \times 4 = 24$, what is 6×5 without multiplying?*

(A) 25

(B) 28

(C) 30

(D) 36

12. *A store sells 5 pencils for $2 each and 1 notebook for $3. What is the total cost?*

(A) $10

(B) $13

(C) $25

(D) $30

13. Which fraction means "two-thirds"?

(A) $\frac{3}{2}$ (B) $\frac{2}{3}$

(C) $\frac{1}{3}$ (D) $\frac{2}{2}$

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

Your Answer:

15. When you count by unit fractions $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, $\frac{4}{4}$...what changes?

(A) The denominator goes up by 1 (B) The numerator goes up by 1

(C) Both numbers go up by 1 (D) Nothing changes

16. Two fractions land on the same spot on a number line. What does this tell you?

(A) They have the same denominator (B) They have the same numerator

(C) They are equivalent (D) One is larger than the other

17. Write 7 as a fraction with denominator 1.

Your Answer:

18. Compare: $\frac{6}{8}$ ___ $\frac{2}{8}$

(A) $>$ (B) $<$

(C) $=$ (D) Cannot compare

19. *What is another way to say 7:15?*

(A) Half past 7

(B) Quarter to 7

(C) Quarter past 7

(D) 7 o'clock

20. *Max started measuring his pencil at the 1-inch mark. The other end reached the 7-inch mark. He says the pencil is 7 inches long. What is the real length?*

(A) 7 inches

(B) 6 inches

(C) 8 inches

(D) 1 inch

21. *Which unit would you use to measure the mass of a grape?*

(A) Kilograms

(B) Liters

(C) Grams

(D) Meters

22. *Bottle A holds 9 liters. Bottle B holds 5 liters. Bottle C holds 6 liters. What is the total amount of liquid all three bottles hold?*

(A) 14 L

(B) 15 L

(C) 20 L

(D) 11 L

23. *Emma has 1 quarter, 4 dimes, and 2 nickels. How much money does she have?*

(A) $0.55

(B) $0.70

(C) $0.75

(D) $0.85

24. A comic book costs $4.95 and a bookmark costs $1.30. What is the total cost?

(A) $5.25

(B) $6.25

(C) $5.95

(D) $6.05

25. A bar graph shows books read by four students: Anna $= 9$, Ben $= 5$, Carla $= 7$, Dan $= 3$. How many more books did Anna read than Dan?

Your Answer:

_____

26. Using the same caterpillar line plot (1 in. $= 1$, $1\frac{1}{2}$ in. $= 3$, 2 in. $= 5$, $2\frac{1}{2}$ in. $= 4$, 3 in. $= 2$), what is the most common length?

(A) $1\frac{1}{2}$ inches

(B) 2 inches

(C) $2\frac{1}{2}$ inches

(D) 3 inches

27. Every square is also a special kind of which shape?

(A) Triangle

(B) Pentagon

(C) Rectangle

(D) Trapezoid

28. Which rectangle has the smallest area?

(A) $6\ cm \times 5\ cm$

(B) $3\ cm \times 8\ cm$

(C) $4\ cm \times 7\ cm$

(D) $2\ cm \times 10\ cm$

29. A square has a perimeter of 36 inches. What is the length of each side?

(A) 6 in   (B) 8 in

(C) 9 in   (D) 12 in

30. A shape is partitioned so that each part is $\frac{1}{8}$ of the whole. How many equal parts is the shape split into?

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!*

Enjoyed This Preview?

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This preview shows just a small sample of what's inside.

The complete book includes:

- ✅ All chapters and topics
- ✅ Hundreds of practice problems
- ✅ Complete answer key with explanations
- ✅ Colorful visuals and step-by-step examples
- ✅ Reference sheets and progress trackers

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