

10 Missouri MAP Grade 3 Math Practice Tests

The Ultimate Test Prep Collection with Answer Explanations

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ULTIMATE MASTERY

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! 🚀

“ 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! ”

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! 👑

PREVIEW



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💡 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!



“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!”



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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 (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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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!



(A) 6

(B) 60

(C) 600

(D) 6,000

(A) 800

(B) 890

(C) 900

(D) 1,000

(A) Add $3 + 2$

(B) Add $8 + 4$

(C) Add $5 + 7$

(D) Add $3 + 2 + 1$

(A) 1,444

(B) 1,544

(C) 1,554

(D) 2,544

(A) 700

(B) 800

(C) 803

(D) 900



7. What is 3×5 ?

(A) 8

(B) 12

(C) 15

(D) 35

8. Each hand has 5 fingers. How many fingers are on 4 hands?

Your Answer:

9. What is $24 \div 3$?

(A) 6

(B) 7

(C) 8

(D) 9

10. If you know $4 \times 9 = 36$, which TWO facts can you write immediately?

(A) $36 \div 4 = 9$ and $36 \div 9 = 4$

(B) $36 + 4 = 40$ and $36 + 9 = 45$

(C) $36 \div 2 = 18$ and $36 \div 3 = 12$

(D) $9 - 4 = 5$ and $4 + 9 = 13$

11. Even $\times$ odd always equals:

(A) Even

(B) Odd

(C) Sometimes even, sometimes odd

(D) Zero



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12. Look at the table. What is the missing input?

Input	Output
3	18
5	30
?	54

(A) 7

(B) 8

(C) 9

(D) 10

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



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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. A watermelon has a mass of 6 kg. You cut it in half and eat one half. What is the mass of the remaining half?

(A) 2 kg

(B) 3 kg

(C) 4 kg

(D) 6 kg

21. A water cooler holds 20 liters. Students drink 3 liters each hour for 4 hours. How much water is left?

(A) 8 L

(B) 12 L

(C) 16 L

(D) 7 L

22. How many nickels make the same amount as 1 quarter?

(A) 3

(B) 4

(C) 5

(D) 10



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23. Emma buys a juice box for \$1.35 and a muffin for \$2.90. How much does she spend in all?

- (A) \$3.25 (B) \$4.15
(C) \$4.25 (D) \$3.35

24. A picture graph uses each symbol to stand for 2 items. Emma's row has 4 symbols and Jake's row has 6 symbols. How many fewer items does Emma have than Jake?

- (A) 2 (B) 4
(C) 8 (D) 10

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 ($1 \text{ in.} = 1$, $1\frac{1}{2} \text{ in.} = 3$, $2 \text{ in.} = 5$, $2\frac{1}{2} \text{ in.} = 4$, $3 \text{ in.} = 2$), 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



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28. Which rectangle has the smallest area?

(A) $6\text{ cm} \times 5\text{ cm}$

(B) $3\text{ cm} \times 8\text{ cm}$

(C) $4\text{ cm} \times 7\text{ cm}$

(D) $2\text{ cm} \times 10\text{ cm}$

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:



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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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- ✓ *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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