

# 5 Full-Length Michigan M-STEP Grade 4 Math Practice Tests

*Extra Practice for Test Day Success*

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# Grade 4 Math: 5 Practice Tests

Hey there, math star! ★

Five practice tests give you a **solid foundation** and plenty of chances to **sharpen your skills**.

- ✓ Covers every major Grade 4 topic.
- ✓ Enough practice to build real confidence.
- ✓ Track your growth from test to test!

Let's build that strong foundation! 🍷

“ Five tests is the sweet spot — enough to really learn and grow! ”



# *How to Use This Book*

*Five tests, five steps closer to mastery — here's your game plan.*

## *What's Inside*

- **5 Practice Tests** — a well-rounded set covering all Grade 4 topics
- **Answer Key** — detailed answers and explanations at the back
- **Reference Pages** — math symbols and multiplication table you can use during tests
- **My Test Tracker** — record your scores and see steady improvement

## *How to Take a Practice Test*

1. **Set up:** Find a quiet spot. Gather pencils, eraser, and scratch paper.
2. **Time it:** Set a timer (or ask a grown-up to). Try to finish without rushing.
3. **Work through it:** Answer every question. Skip hard ones and come back later.
4. **Check your work:** Use any extra time to double-check your answers.
5. **Score it:** Use the Answer Key. Write your score in the Test Tracker.

### *Multiple Choice*

*Pick the best answer from the choices given.  
Read ALL options before choosing — the first one that looks right isn't always the best!*

### *Short Answer*

*Solve the problem and write your answer. Show your work — even if you get the answer wrong, partial credit counts in many real tests!*

 **Pro Tip:** Space your 5 tests out over a few days. Review mistakes between tests — that's where the real learning happens!

# 💡 Test-Taking Tips 💡

Smart strategies to help you shine across all 5 tests!

## 🕒 Before You Start

- Get a good night's sleep and eat a healthy meal.
- Have your supplies ready: pencils, eraser, scratch paper.
- Take three slow, deep breaths. You've prepared for this!
- Remind yourself: each test is a fresh start.

## ✎ During the Test

1. **Read each question twice.** Underline key words like "how many more," "product," or "estimate."
2. **Show your work.** Write out each step — it helps you catch mistakes.
3. **Use scratch paper.** Line up digits carefully for multi-digit problems.
4. **Skip and return.** Stuck on a question? Star it and move on. Come back with fresh eyes.
5. **Check with estimation.** Does your answer make sense? A quick estimate can catch big errors.
6. **Use your time wisely.** Don't spend too long on one problem.

## ✅ Multiple Choice Tricks

- Read **all** choices first.
- Cross out answers you know are wrong.
- Plug your answer back into the problem.
- When in doubt, eliminate and guess — never leave it blank!

## ⚠️ Watch Out For..

- Rushing through without reading carefully.
- Mixing up  $\times$  and  $+$  in word problems.
- Forgetting to regroup when adding or subtracting.
- Not simplifying fractions when asked.
- Skipping the "check your work" step.



“ Five tests give you room to grow! Don't worry about being perfect on the first one — watch how your scores climb as you learn from each test. ”

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

*You may use this page during your practice tests!*

| Symbol        | Name                | Meaning                      |
|---------------|---------------------|------------------------------|
| +             | Plus                | Combine amounts              |
| -             | Minus               | Find the difference          |
| ×             | Times               | Multiply (repeated groups)   |
| ÷             | Divide              | Split into equal parts       |
| =             | Equals              | Same value on both sides     |
| > <           | Greater / Less Than | Compares two values          |
| $\frac{a}{b}$ | Fraction            | a parts out of b equal parts |
| .             | Decimal Point       | Separates wholes from parts  |
| ∠             | Angle               | Measured in degrees          |

## Key Math Words

- **Factor** — a number you multiply
- **Product** — answer from multiplying
- **Quotient** — answer from dividing
- **Remainder** — left over after dividing
- **Numerator** — top of a fraction
- **Denominator** — bottom of a fraction
- **Equivalent** — equal in value
- **Perimeter** — distance around
- **Area** — space inside
- **Estimate** — a close, rounded guess

 Word Problem Clue Words

**Add (+)**      *in all, altogether, total, combined, sum, increase*

**Subtract (−)**      *how many more, how many fewer, difference, left, remain*

**Multiply (×)**      *each, every, per, times as many, groups of, product*

**Divide (÷)**      *split equally, shared among, divided into, per group*



# *Contents*



|                              |          |
|------------------------------|----------|
| <i>Practice Test 1</i> ..... | <i>1</i> |
|------------------------------|----------|

PREVIEW



Find more at  
[ViewMath.com/Grade4](http://ViewMath.com/Grade4)



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. Tom says: "4 times as many as 6 is 10, because  $4 + 6 = 10$ ." Is Tom correct?

(A) Yes, because  $4 + 6 = 10$ .

(B) No; the correct answer is 24 because  $4 \times 6 = 24$ .

(C) No; the correct answer is 2 because  $6 - 4 = 2$ .

(D) Yes, because you add when comparing.

2. Ty has 27 stickers. He shares them equally among 3 friends, keeping none for himself. Each friend then buys 4 more stickers. How many stickers does each friend have?

(A) 9

(B) 13

(C) 7

(D) 31

3. Is 8 a factor of 56?

(A) No, because  $56 \div 8$  has a remainder.

(B) Yes, because  $8 \times 7 = 56$ .

(C) No, because 8 is greater than half of 56.

(D) Yes, because  $5 + 6 = 11$  and  $11 \div 8$  has a remainder.

4. Which of the following is a multiple of 6?

(A) 15

(B) 32

(C) 42

(D) 50

5. What is the standard form of  $200,000 + 30,000 + 4,000 + 500 + 9$ ?

(A) 234,590

(B) 234,509

(C) 234,059

(D) 230,459



6. A farmer harvested 87,652 pounds of corn one year and 86,895 pounds the next year. In which year did the farmer harvest more?

- (A) Second year                      (B) First year  
(C) Both years are equal           (D) Cannot determine

7. The value of 5 in 5,000 is how many times greater than the value of 5 in 500?

Your Answer:

8. Round 46,583 to the nearest thousand.

- (A) 46,000                      (B) 47,000  
(C) 46,500                      (D) 46,600

9. In the multiplication  $8 \times 356$ , what is the partial product for the hundreds place?

- (A) 240                      (B) 2,400  
(C) 24,000                      (D) 2,800

10. What is  $12 \times 34$ ?

- (A) 388                      (B) 398  
(C) 408                      (D) 418



11. Which is larger:  $\frac{5}{12}$  or  $\frac{3}{8}$ ? Use the benchmark  $\frac{1}{2}$  to help compare.



Your Answer:

12. A pie was cut into 12 equal slices. Abby ate  $\frac{3}{12}$ , James ate  $\frac{4}{12}$ , and Tina ate  $\frac{2}{12}$ . Write one equation that shows all three fractions adding together:

Your Answer:

13. What is  $\frac{3}{8} + \frac{4}{8}$ ?

Your Answer:

14. Which addition is modeled by: whole numbers  $2 + 3 = 5$ , fractions  $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$ ?

(A)  $2\frac{2}{6} + 3\frac{3}{6} = 5\frac{5}{6}$

(B)  $2\frac{3}{6} + 3\frac{2}{6} = 5\frac{5}{6}$

(C)  $3\frac{3}{6} + 2\frac{2}{6} = 6\frac{1}{6}$

(D)  $2\frac{2}{6} + 3\frac{2}{6} = 5\frac{4}{6}$

15. What is  $7 \times \frac{3}{4}$ ? Write your answer as a mixed number.

Your Answer:



16. Convert  $\frac{3}{10}$  to hundredths.

(A)  $\frac{3}{100}$

(B)  $\frac{13}{100}$

(C)  $\frac{300}{100}$

(D)  $\frac{30}{100}$

17. An apple costs \$0.79. Which fraction of a dollar is this?

(A)  $\frac{79}{10}$

(B)  $\frac{7}{10}$

(C)  $\frac{79}{100}$

(D)  $\frac{9}{100}$

18. Fill in the blank with  $>$ ,  $<$ , or  $=$ :  $0.7$  \_\_\_\_  $0.70$

Your Answer:

19. A runner completes a 5 kilometer race. How many meters does the runner run in total?

Your Answer:

20. A swimming pool path is 2 km long. A swimmer has completed 600 m. How many more meters must the swimmer go to finish?

(A) 598 m

(B) 1,600 m

(C) 1,400 m

(D) 2,600 m

21. A square tile has sides of 6 cm. What is its area?

Your Answer:



22. A rectangle has a perimeter of 20 cm and a length of 7 cm. What is the width?



Your Answer:

23. From the same data (2 X's at  $\frac{1}{4}$ ), what is the total length of the  $\frac{1}{4}$ -inch values?

Your Answer:

24. An angle is formed when two \_\_\_\_\_ meet at a common point.

- (A) lines                      (B) rays  
(C) line segments            (D) arcs

25. A straight angle ( $180^\circ$ ) is split into two parts. One part is  $112^\circ$ . What is the other part?

Your Answer:



26. A **ray** is best described as:

- (A) A path that goes on forever in both directions  
(B) A path with two endpoints  
(C) A path with one endpoint that goes on forever in one direction  
(D) An exact location in space

27. A slice of pizza has a tip angle of  $30^\circ$ . What type of angle is the tip?

- (A) Obtuse  
(B) Right  
(C) Acute  
(D) Straight

28. What angle is formed when two perpendicular lines meet?

Your Answer:

29. A triangle with one  $90^\circ$  angle is called a:

- (A) Acute triangle  
(B) Obtuse triangle  
(C) Right triangle  
(D) Equilateral triangle

30. The letter **H** has a horizontal line of symmetry AND a vertical line of symmetry. How many lines of symmetry does it have?

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



## ★ *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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