

5 Full-Length Massachusetts MCAS 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. ”

X¹ Math Reference Sheet X¹

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*



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PREVIEW



Find more at
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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!



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 8×356 , what is the partial product for the hundreds place?

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

10. What is 12×34 ?

- (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°) is split into two parts. One part is 112° . 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° . 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° 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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- ✓ *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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