

3 Massachusetts MCAS Grade 4 Math Practice Tests

Full-Length Test Prep with Detailed Answer Explanations

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Grade 4 Math: 3 Practice Tests

Hey there, quick checker! ★

Three tests. That's all it takes to **see where you stand** and
build your confidence fast.

- ✓ Short and focused — perfect for a quick review.
- ✓ Find your strengths in just three rounds.
- ✓ Fast results, real progress!

Ready for a quick check? Let's go! 👍

“ Three quick tests
and you'll know exactly
what to study next! ”



How to Use This Book

Three tests, one clear plan — here's how to make them count.

What's Inside

- **3 Practice Tests** — quick, focused tests 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 your growth at a glance

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!

 **Quick Tip:** With only 3 tests, make each one count. Review every missed question before moving to the next test!

💡 Test-Taking Tips 💡

Quick strategies to help you ace all 3 tests!

🕒 Before You Start

- Get a good night's sleep and eat a healthy snack.
- Have your supplies ready: pencils, eraser, scratch paper.
- Take three slow, deep breaths — you've got this!
- Remember: just 3 tests, so give each one your full focus.

✎ 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.



“ Three tests is all you need for a quick check-up! Focus on each one, learn from your mistakes, and you'll be amazed how much you grow. ”

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



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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. Write a comparison statement for the equation $5 \times 4 = 20$.

Your Answer:

2. Max saved \$5 each week for 8 weeks. He spent \$12 on a book. How much money does he have left?

- (A) \$28 (B) \$52
(C) \$43 (D) \$35

3. A farmer wants to plant 40 seeds in equal rows with no seeds left over. Which of the following CANNOT be the number of rows?

- (A) 5 rows (B) 8 rows
(C) 6 rows (D) 10 rows

4. List the first five multiples of 6.

Your Answer:

5. What is the value of the digit 5 in 850,293?

- (A) 5 (B) 500
(C) 5,000 (D) 50,000

6. Order from greatest to least: 34,120; 34,012; 34,210; 34,102.

Your Answer:



7. What is $6,000 \div 10$?

Your Answer:

8. Round 46,583 to the nearest ten-thousand.

Your Answer:

9. What is $5 \times 1,234$?

(A) 6,070

(B) 6,170

(C) 6,270

(D) 7,170

10. What is 96×53 ?

(A) 4,988

(B) 5,008

(C) 5,088

(D) 5,188

11. Which fraction is greater: $\frac{3}{8}$ or $\frac{5}{6}$?



(A) $\frac{3}{8}$

(B) $\frac{5}{6}$

(C) They are equal.

(D) Cannot be determined.



12. Which is NOT a correct decomposition of $\frac{4}{6}$?

(A) $\frac{1}{6} + \frac{3}{6}$

(B) $\frac{2}{6} + \frac{2}{6}$

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

(D) $\frac{1}{6} + \frac{1}{6} + \frac{2}{6}$

13. What is $\frac{7}{8} - \frac{5}{8}$?

(A) $\frac{3}{8}$

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

(C) $\frac{2}{8}$

(D) $\frac{2}{0}$

14. Convert $\frac{15}{6}$ to a mixed number.

(A) $1\frac{5}{6}$

(B) $3\frac{1}{6}$

(C) $2\frac{4}{6}$

(D) $2\frac{3}{6}$

15. What is $5 \times \frac{2}{8}$, written as a mixed number?

(A) $1\frac{1}{8}$

(B) $1\frac{3}{8}$

(C) $1\frac{2}{8}$

(D) $\frac{10}{8}$

16. What is $\frac{2}{10} + \frac{15}{100}$?

(A) $\frac{17}{100}$

(B) $\frac{17}{110}$

(C) $\frac{35}{100}$

(D) $\frac{215}{100}$

17. Write 0.09 as a fraction.

Your Answer:



18. Compare: 1.4 ___ 1.35

(A) $<$

(B) $=$

(C) $>$

(D) Cannot be determined.

19. Convert 4 liters to milliliters.

(A) 40 mL

(B) 400 mL

(C) 4,000 mL

(D) 40,000 mL

20. Sarah runs 2 km each day. How many meters does she run in 4 days?

Your Answer:

21. A garden is 9 meters long and 7 meters wide. What is its area?



(A) 32 sq m

(B) 63 sq m

(C) 56 sq m

(D) 72 sq m



22. Which rectangle has the greatest perimeter?

(A) 6×4

(B) 8×3

(C) 7×5

(D) 9×2

23. On a line plot, each X above a value represents how many data points?

(A) 2 data points

(B) 4 data points

(C) 1 data point

(D) 0 data points

24. One degree (1°) is what fraction of a full turn around a circle?

(A) $\frac{1}{180}$

(B) $\frac{1}{90}$

(C) $\frac{1}{360}$

(D) $\frac{1}{270}$

25. Angle A measures 45° and Angle B measures 45° . Together, what type of angle do they form?

(A) Acute

(B) Right

(C) Obtuse

(D) Straight

26. Which of the following can you measure the length of?

(A) A line

(B) A ray

(C) A line segment

(D) Both a line and a ray



27. A regular stop sign has 8 equal angles. Each interior angle measures 135° . What type of angle is each one?

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

28. Lines that cross and form a 90° angle are called:

- (A) Parallel lines
- (B) Skew lines
- (C) Perpendicular lines
- (D) Diagonal lines

29. Which shape has 4 equal sides but does NOT need to have right angles?

- (A) Square
- (B) Rectangle
- (C) Rhombus
- (D) Trapezoid

30. How many lines of symmetry does an equilateral triangle (all sides equal) have?

- (A) 1
- (B) 2
- (C) 3
- (D) 0



★ *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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