

3 Massachusetts MCAS Grade 3 Math Practice Tests

Full-Length Test Prep with Detailed Answer Explanations

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3 Practice Tests to Get You Started!

Hey there, future math whiz! ★

This book has **3 full practice tests** to help you warm up for the real thing. Think of it like stretching before a big game — these tests will get your brain ready and show you what to expect!

👍 Three tests is the **perfect start!**

👍 Each one helps you feel **more ready!**

👍 You'll be surprised how much you **already know!**

Sharpen your pencil and let's get warmed up! 🔥

“ Three practice tests is a great way to start. Take your time with each one, and you'll feel more confident every step of the way! ”

How to Use This Book

Your quick-start guide to 3 great practice tests!

What's Inside This Book

- **3 Full-Length Practice Tests** — Each one covers all the Grade 3 math topics you need to know!
- **Answer Key with Explanations** — Find out why each answer is correct, not just what the answer is.
- **Reference Pages** — A math symbols chart and multiplication table you can peek at any time.
- **A Test Tracker** — Write down your scores and watch your confidence grow!

A Simple 3-Test Plan

With just 3 tests, here's a great way to use them:

- **Test 1 The Warm-Up.** Take this test without a timer. Get comfortable with the question types. Don't worry about your score — just do your best!
- **Test 2 The Practice Round.** After reviewing Test 1, try this one with a timer (ask a grown-up!). Focus on the topics that were tricky last time.
- **Test 3 The Real Deal.** Treat this like the actual test: quiet room, timed, no peeking at answers. See how much you've improved!

Multiple Choice

Pick the **one best answer** from choices A, B, C, or D. Not sure? Cross out the ones you know are wrong, then pick from what's left. That's a smart move!

Short Answer

Write your answer **and** show your work! Even if your final answer isn't right, showing your steps can earn you credit. Use scratch paper if you need more room.

After Each Test



Flip to the Answer Key and check your work. For every question you got wrong, **read the explanation carefully**. Then write the tricky topics on your Test Tracker page. If you need extra help, grab our **Grade 3 Math Study Guide!**

★ **Fun fact:** *Three tests is all it takes to see real improvement! Most kids feel way more confident after just a few rounds of practice.* ★

PREVIEW



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💡 Tips for Test Day 💡

Easy tricks to help you feel calm and do your best!

🌙 The Night Before

- ✔ **Sleep early** — your brain learns while you sleep!
- ✔ **Pack your supplies** — pencils, eraser, scratch paper, all ready to go.
- ✔ **Tell yourself:** "I've been practicing. I'm going to do great!"

👉 5 Simple Rules for Every Test

1. **Read the question twice.** The first time to understand it. The second time to catch details.
2. **Show your work.** Write the steps down, even on scratch paper. It helps you think!
3. **Skip the hard ones.** Put a small star next to tricky questions and come back later. Answer the easy ones first!
4. **Never leave a blank.** For multiple choice, your best guess is better than no answer at all.
5. **Check your work.** Finished early? Go back and re-read your answers.

✔ Smart Moves

- Take a deep breath before you begin
- Underline key words in the question
- Use drawings or number lines to help
- Cross out wrong answers first
- Double-check addition and subtraction

✖ Traps to Avoid

- Rushing and not reading carefully
- Picking the first answer that "looks right"
- Forgetting to carry or borrow numbers
- Skipping a question permanently
- Panicking when you see a tough problem



“ Remember, the very first practice test is the hardest — not because the questions are harder, but because everything is new! By Test 3, you'll feel like a pro. Trust me! ”

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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PREVIEW



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PREVIEW

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 5,600 in expanded form.

Your Answer:

2. What is 2,500 rounded to the nearest 1,000?

(A) 2,000

(B) 2,500

(C) 3,000

(D) 3,500

3. Which group contains only even numbers?

(A) 12, 34, 57

(B) 20, 46, 88

(C) 31, 50, 72

(D) 14, 63, 90

4. A school raised \$8,000 last year and \$2,000 this year. How much did the school raise in total?

(A) \$6,000

(B) \$10,000

(C) \$82,000

(D) \$28,000

5. What is the value of the digit 8 in 283,041?

(A) 80

(B) 800

(C) 8,000

(D) 80,000

6. A park had 6,238 visitors on Saturday and 4,715 on Sunday. Round each to the nearest 1,000 and estimate the total.

Your Answer:



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7. There are 467 red marbles and 358 blue marbles in a jar. How many marbles are there in all?

Your Answer:

8. What is $4,509 + 3,678$? Show your steps using the standard algorithm.

Your Answer:

9. What is 8×50 ?

Your Answer:

10. Which equation shows the identity property of multiplication?

(A) $7 \times 0 = 0$

(B) $7 \times 1 = 7$

(C) $7 \times 2 = 14$

(D) $3 \times 7 = 7 \times 3$

11. Sara has 36 stickers. She shares them equally among 9 friends. How many stickers does each friend get?

(A) 3

(B) 4

(C) 5

(D) 27

12. Two classes collect cans. Class A collects 35 cans. Class B collects 21 cans. They put the cans in groups of 7 for recycling. How many groups are there?

(A) 5

(B) 7

(C) 8

(D) 56



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13. Find the missing number in the pattern: 7, 14, 21, 28, ?, 42

Your Answer:

14. Which fraction means "two-thirds"?

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

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

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

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

15. Which is bigger: $\frac{1}{3}$ or $\frac{1}{6}$?

Your Answer:

16. $\frac{3}{4} = \frac{?}{8}$. What is the missing numerator?

(A) 3

(B) 4

(C) 6

(D) 7

17. Which of these fractions equals 0?

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

(B) $\frac{0}{4}$

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

(D) $\frac{4}{0}$

18. Is $\frac{2}{6}$ more or less than $\frac{1}{2}$?

Your Answer:



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19. Is $\frac{4}{3}$ greater than, less than, or equal to 1?

- (A) Less than 1 (B) Equal to 1
(C) Greater than 1 (D) Cannot tell

20. A string is $6\frac{1}{4}$ inches long. A ribbon is $6\frac{3}{4}$ inches long. How much longer is the ribbon than the string?

- (A) $\frac{1}{4}$ inch (B) $\frac{1}{2}$ inch
(C) $\frac{3}{4}$ inch (D) 1 inch

21. A bag of apples has a mass of 3 kg. A bag of oranges has a mass of 5 kg. What is the total mass?

- (A) 2 kg (B) 15 kg
(C) 8 kg (D) 35 kg

22. You have 3 quarters, 2 dimes, and 1 nickel. How much money do you have in cents?

Your Answer: _____

23. What is $\$2.50 + \1.25 ?

- (A) \$3.25 (B) \$3.75
(C) \$4.75 (D) \$3.55



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24. Which is warmer: 45°F or 72°F ?

- (A) 45°F (B) 72°F
(C) They are the same. (D) Cannot tell.

25. A bar graph has a scale that counts by 5s. A bar reaches up to the 4th line on the scale. What value does the bar show?

- (A) 4 (B) 9
(C) 15 (D) 20

26. A line plot shows the lengths of 10 crayons. The data is shown below:

2 in.	$2\frac{1}{2}$ in.	3 in.	$3\frac{1}{2}$ in.	4 in.
2	3	4	1	0

How many crayons are shorter than 3 inches?

- (A) 2 (B) 4
(C) 5 (D) 9

27. A regular polygon has all sides the same length and all angles the same size. Which of these is always a regular polygon?

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

28. A square has sides that are 7 inches long. What is its area?

- (A) 14 sq in (B) 28 sq in
(C) 42 sq in (D) 49 sq in



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29. A pizza is cut into 2 equal slices. What fraction is each slice?

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

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

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

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

30. A STOP sign is shaped like a regular:

(A) Hexagon

(B) Heptagon

(C) Octagon

(D) Decagon



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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

Enjoyed This Preview?

Get the Full Book!

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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