

Massachusetts MCAS Grade 4 Math Quizzes

Quick Topic Assessments with Answer Key

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Grade 4 Math Quizzes

Ready to test your skills?

Each quiz covers one Grade 4 math topic with a mix of multiple-choice, true/false, and short-answer questions. Take a quiz after you study a topic to see how well you've learned it!



Take a Quiz



See Your Score



Level Up!

“ Quizzes aren't about being perfect. They help you find what you know well and what needs a bit more practice! ”



CHAPTER

1

Multiply, Divide, and Patterns

★ *What's Inside* ★

Quiz 1: *Multiplication as a Comparison* 3



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CHAPTER 1


Quiz 1

Multiplication as a Comparison

Name: _____

Date: _____

★ Score: ____ / 8

 **Instructions:** Read each question carefully. Show your work when needed. You have about 15 minutes.

- 1 Look at the bar model. Write a **multiplication comparison** sentence.



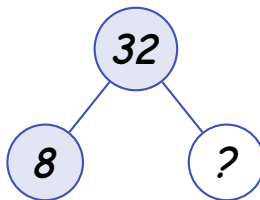
Comparison sentence: _____

- 2 Which multiplication comparison does this array show? **Circle** your answer.



- 7 is 2 times as many as 14 14 is 7 times as many as 2
 14 is 2 times as many as 7 2 is 7 times as many as 14

- 3 Look at this number bond. What is the missing number?



Missing number: _____



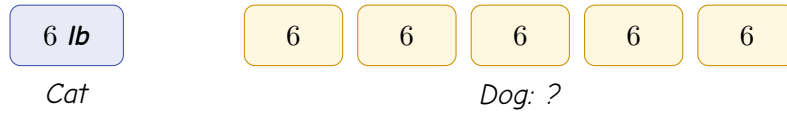
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- 4 A cat weighs 6 pounds. A dog weighs **5 times as much** as the cat. How much does the dog weigh? Write a multiplication equation and solve.



Equation and answer: _____

- 5 True or False: 24 is 6 times as many as 4.



True False

- 6 Which side shows **more**? Circle $>$, $<$, or $=$.



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height=1cm,] (right) at (6.4, 0)



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★ Bonus Challenge ★

This is extra credit! It's okay if this one is tricky — give it your best try!

8 A goldfish costs \$3. A puppy costs \$27.

1. How many times as much does the puppy cost?
2. If a kitten costs **4 times as much** as the goldfish, how much does the kitten cost?
3. Which pet costs more — the puppy or the kitten?

Answers: _____

★ How did you do? ★

😊 I got _____ out of _____ right!



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CHAPTER

2

*Adding, Subtracting, Multiplying,
and Dividing Whole Numbers*

★ *What's Inside* ★

Quiz 2: Add Whole Numbers 8



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CHAPTER 3

Quiz 2

Add Whole Numbers

Name: _____

Date: _____

★ Score: ____ / 8

 **Instructions:** Read each question carefully. Show your work when needed. You have about 15 minutes.

- 1 Solve $2,476 + 3,859$. Show your work.

 Show your work

- 2 What is $5,308 + 2,947$? **Circle** the correct answer.

 7,255 8,255 8,245 7,245

- 3 True or False: $4,563 + 2,891 = 7,454$.

 True False

- 4 Find the missing number.

$$3,652 + \underline{\hspace{2cm}} = 8,000$$

Missing number: _____

- 5 Circle $>$, $<$, or $=$.



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$1,275 + 3,846$



$2,490 + 2,510$

- 6 A school collected 1,847 cans in October and 2,365 cans in November. How many cans did they collect in all?

October: 1,847

November: 2,365

?

Total cans: _____

- 7 Solve $36,508 + 17,694$. Show your work.

Show your work

★ Bonus Challenge ★

This is extra credit! It's okay if this one is tricky — give it your best try!

- 8 Use the clues to find the two 3-digit numbers, then add them.

Number A: My hundreds digit is 4, my tens digit is double my hundreds digit, and my ones digit is 3.

Number B: My hundreds digit is half of 6, my tens digit is 0, and my ones digit is 7.

Number A = _____

Number B = _____

Sum = _____



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★ How did you do? ★

😊 I got _____ out of _____ right!

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Answer Key & Explanations



★ Check Your Answers! ★

First try each quiz on your own, then look here to check.
Read the explanations to learn from any mistakes ★

Chapter 1

Quiz 1: Multiplication as a Comparison

1 Jake has 3 times as many as Ella: $3 \times 4 = 12$.

2 14 is 2 times as many as 7

3 4

4 $5 \times 6 = 30$ pounds

5 True

6 $<$ (right side has more)

7 6 times as many

8 (1) 9 times as much; (2) \$12; (3) the puppy

💡 Explanations

1 Compare the two bars: $12 \div 4 = 3$, so Jake has 3 times as many as Ella. The multiplication equation is $3 \times 4 = 12$.

2 The array has 2 rows and 7 columns, so $2 \times 7 = 14$. This means 14 is 2 times as many as 7.

3 $32 = ? \times 8$. Since $4 \times 8 = 32$, the missing number is 4. This means 32 is 4 times as many as 8.

4 "5 times as much" means 5 groups of 6. $5 \times 6 = 30$. The dog weighs 30 pounds.



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5 Count the groups: 6 groups of 4 dots. $6 \times 4 = 24$. So yes, 24 is 6 times as many as 4.

6 Left: $3 \times 5 = 15$. Right: $5 \times 4 = 20$. Since $15 < 20$, the right side has more.

7 To find "how many times as many," divide: $42 \div 7 = 6$. Noah picked 6 times as many apples as Mia. Check: $6 \times 7 = 42$ ✓.

8 (1) $27 \div 3 = 9$, so the puppy costs 9 times as much. (2) $4 \times 3 = 12$, the kitten costs \$12. (3) $\$27 > \12 , so the puppy costs more.

Chapter 2

Quiz 2: Add Whole Numbers

1 6,335

2 8,255

3 True

4 4,348

5 >

6 4,212 cans

7 54,202

8 Number A = 483, Number B = 307, Sum = 790

Explanations

1 Line up the digits by place value. Ones: $6 + 9 = 15$, write 5, carry 1. Tens: $7 + 5 + 1 = 13$, write 3, carry 1. Hundreds: $4 + 8 + 1 = 13$, write 3, carry 1. Thousands: $2 + 3 + 1 = 6$. The answer is 6,335.

2 $5,308 + 2,947$: Ones: $8 + 7 = 15$, write 5, regroup 1. Tens: $0 + 4 + 1 = 5$. Hundreds: $3 + 9 = 12$, write 2, regroup 1. Thousands: $5 + 2 + 1 = 8$. The sum is 8,255.

3 $4,563 + 2,891$: Ones: $3 + 1 = 4$. Tens: $6 + 9 = 15$, write 5, carry 1. Hundreds: $5 + 8 + 1 = 14$, write 4, carry 1. Thousands: $4 + 2 + 1 = 7$. The correct sum is 7,454 ✓.



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4 Subtract to find the missing addend: $8,000 - 3,652 = 4,348$. Check: $3,652 + 4,348 = 8,000$ ✓.

5 Left side: $1,275 + 3,846 = 5,121$. Right side: $2,490 + 2,510 = 5,000$. Since $5,121 > 5,000$, the left side is greater.

6 Add the two months: $1,847 + 2,365 = 4,212$. The school collected 4,212 cans in all.

7 $36,508 + 17,694$: Ones: $8 + 4 = 12$, write 2, carry 1. Tens: $0 + 9 + 1 = 10$, write 0, carry 1. Hundreds: $5 + 6 + 1 = 12$, write 2, carry 1. Thousands: $6 + 7 + 1 = 14$, write 4, carry 1. Ten-thousands: $3 + 1 + 1 = 5$. The answer is 54,202.

8 Number A: hundreds = 4, tens = $4 \times 2 = 8$, ones = 3, so $A = 483$. Number B: hundreds = $6 \div 2 = 3$, tens = 0, ones = 7, so $B = 307$. Sum: $483 + 307 = 790$.



Great job checking your work!

Keep practicing and you'll be a math star!



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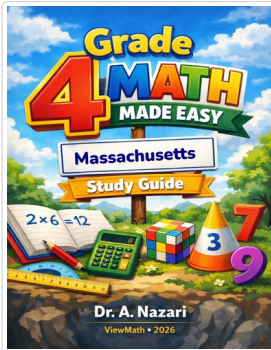


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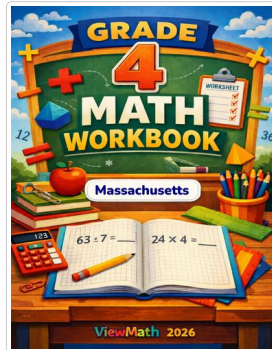
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Study Guide



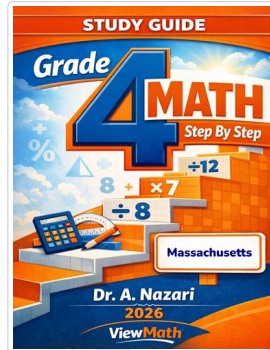
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Workbook



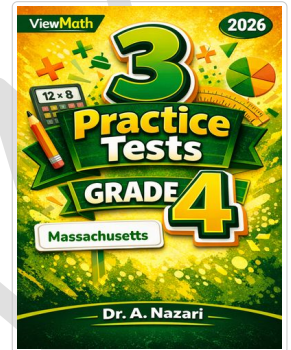
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Step-by-Step



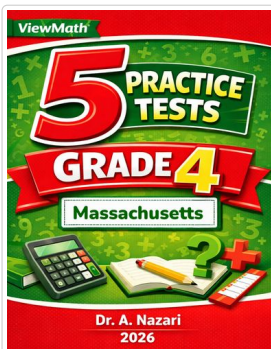
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3 Practice Tests



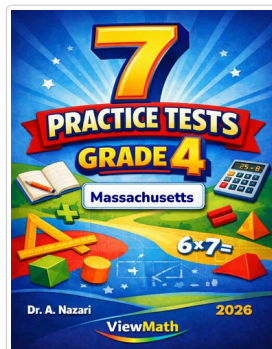
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5 Practice Tests



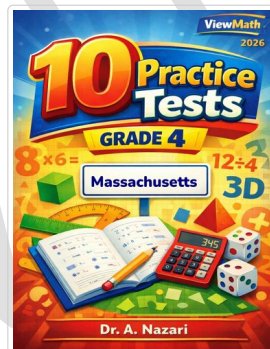
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7 Practice Tests



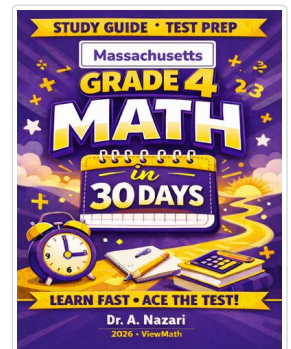
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10 Practice Tests



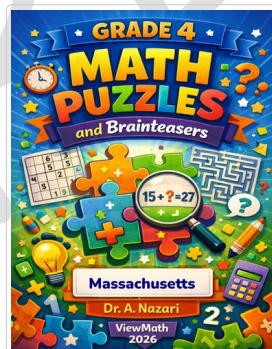
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Math in 30 Days



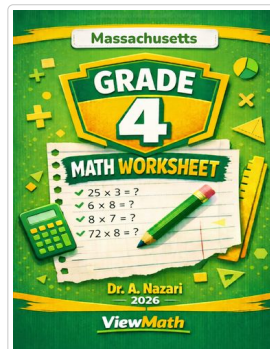
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