

Massachusetts MCAS Grade 4 Math Worksheets

Printable Practice Pages with Answer Key

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Grade 4 Math Worksheets

Hands-on math activities for every topic!

Each worksheet in this book is a standalone activity you can do anytime. Cut them out, share them with friends, or work through them on your own. Every worksheet is a new chance to practice and have fun with math!



Tear & Go



Work It Out



Check Answers

“Each worksheet is its own little adventure. You can do them in any order that you like!”



How to Use This Book

Each worksheet is a standalone activity. Here are the types you'll find!

Quick Practice

Straightforward problems to sharpen your skills.
Perfect for daily warm-ups!

Word Problems

Real-world scenarios that put your math to work. Read carefully!

Fill in the Blank

Missing numbers, missing operations — figure out what goes in the blank!

Sort & Match

Matching, sorting, and classifying activities to build number sense.

Draw & Measure

Hands-on measuring, drawing shapes, and working with rulers and protractors.

Challenge Worksheets

Tougher problems for students who want an extra challenge. Go for it!

Tips:



- Each worksheet works on its own — do them in any order.
- Great for homework, extra practice, or classroom use.
- All answers are in the **Answer Key** at the back.
- Use scratch paper for longer problems!

Math Symbols & Words

A handy reference for any worksheet.

Math Symbols

Symbol	Meaning	Symbol	Meaning
+	Add	=	Equals
−	Subtract	≠	Not equal to
×	Multiply	<	Less than
÷	Divide	>	Greater than
≤	Less than or equal	≥	Greater than or equal
∠	Angle		Parallel
⊥	Perpendicular	≈	About equal to

Key Math Words

- **Factor** — a number you multiply
- **Product** — the multiply answer
- **Quotient** — the divide answer
- **Remainder** — leftover after dividing
- **Sum** — the add answer
- **Difference** — the subtract answer
- **Numerator** — top of a fraction
- **Denominator** — bottom of a fraction
- **Mixed number** — whole number + fraction
- **Decimal** — number with a decimal point
- **Angle** — formed by two rays
- **Degree** (°) — unit for angles
- **Perimeter** — distance around a shape
- **Area** — space inside a shape
- **Parallel** — lines that never meet
- **Perpendicular** — lines meeting at 90°

 Key Formulas

Perimeter of a Rectangle $P = 2 \times (\text{length} + \text{width})$

Area of a Rectangle $A = \text{length} \times \text{width}$

Equivalent Fractions $\frac{a}{b} = \frac{a \times n}{b \times n}$



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PREVIEW

CHAPTER

1

Multiply, Divide, and Patterns

★ *What's Inside* ★

1.1 <i>Multiplication as a Comparison</i>	2
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★ 1.1 Multiplication as a Comparison ★

🎯 Skills You'll Practice

- Understand and use "times as many" to write multiplication equations
- Find missing numbers in multiplicative comparison statements
- Distinguish between additive and multiplicative comparisons



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WORKSHEET 1

Times As Many Speed Round

Name: _____

Date: _____

★ Score: _____

Quick Math!

How Fast Can You Go?

⌚ 3 min

Fill in the missing number in each comparison.

Comparison	Answer
5 times as many as 4 =	_____
3 times as many as 7 =	_____
6 times as many as 5 =	_____
_____ times as many as 8 = 32	_____
7 times as many as _____ = 42	_____
9 times as many as 3 =	_____

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WORKSHEET 2

Comparison Match-Up

Name: _____

Date: _____

★ Score: _____

Match the Pairs!

Draw a Line to Match!

Draw a line from each **comparison sentence** on the left to the correct **equation** on the right.

24 is 6 times as many as 4

$8 \times 3 = 24$

24 is 8 times as many as 3

$4 \times 9 = 36$

36 is 4 times as many as 9

$6 \times 4 = 24$

35 is 7 times as many as 5

$7 \times 5 = 35$

18 is 3 times as many as 6

$3 \times 6 = 18$

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WORKSHEET 3

Times As Many Mistake Hunt

Name: _____

Date: _____

★ Score: _____

🔍 Error Detective! ★

Can You Find the Mistakes?

Leo wrote these answers on his homework. **Some are wrong!** Find each mistake and write the correct answer.

Leo says: "5 times as many as 6 is 11."

$$5 \text{ times as many as } 6 = 5 + 6 = 11$$

Correct or wrong? _____ If wrong, fix it: _____

Leo says: "28 is 4 times as many as 7."

$$4 \times 7 = 28 \checkmark$$

Correct or wrong? _____ If wrong, fix it: _____

Leo says: "8 times as many as 4 is 24."

$$8 \times 4 = 24$$

Correct or wrong? _____ If wrong, fix it: _____



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 WORKSHEET 4

At the Pet Store



 Name: _____

 Date: _____

 Score: _____

Real-World Math!

Pet Store Animal Count!

The pet store has these animals:

 Goldfish	6
 Hamsters	3
 Parrots	4
 Kittens	8

*The store has how many **times as many** kittens as parrots?* _____

Zara says the store has 3 times as many goldfish as hamsters. Write an equation to check.

If the store gets 5 times as many fish as the parrots it already has, how many total fish will the store have? _____



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WORKSHEET 5

Draw Times As Many

Name: _____

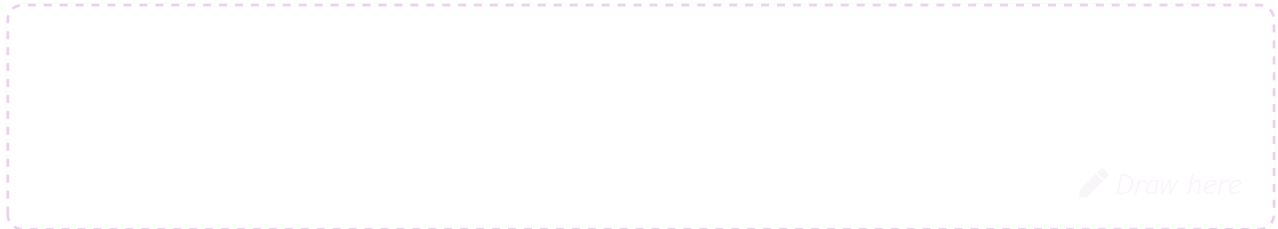
Date: _____

★ Score: _____

Draw & Solve!

*Draw It Out!**Marcus has 3 toy cars. Mia has 4 times as many toy cars as Marcus.****Draw** Marcus's cars in the first box and Mia's cars in the second box. Then write the equation.****Marcus's cars:***

Draw here

Mia's cars:

Draw here

Equation: _____

 _____ ★ _____ *Leo has 5 stickers. Zara has 3 times as many stickers as Leo.****Draw** groups of stickers for both Leo and Zara. Then write the equation.****Leo's stickers:***Find more at
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A large rectangular area with a dashed purple border, intended for drawing Zara's stickers.

Zara's stickers:



A large rectangular area with a dashed purple border, intended for drawing Zara's stickers.

Equation: _____

★ **Worksheet Superstar!** 🏆

You finished all the activities!



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CHAPTER

2

Adding, Subtracting, Multiplying, and Dividing Whole Numbers

★ *What's Inside* ★

2.1 <i>Add Whole Numbers</i>	10
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★ 2.1 Add Whole Numbers ★

🎯 Skills You'll Practice

- Add multi-digit whole numbers using the standard algorithm
- Regroup (carry) when a column sum is 10 or more
- Check addition by estimating the sum



WORKSHEET 1

Addition Speed Round

Name: _____

Date: _____

★ Score: _____

 Quick Math!

How Fast Can You Add?

 4 min

Solve each addition problem.

Problem	Answer	Problem	Answer
$432 + 251 =$	_____	$5,817 + 1,346 =$	_____
$678 + 145 =$	_____	$3,492 + 2,365 =$	_____
$2,309 + 673 =$	_____	$4,758 + 3,689 =$	_____

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WORKSHEET 2

Addition Mistake Hunt

Name: _____

Date: _____

★ Score: _____

🔍 Error Detective! ★

*Can You Find the Mistakes?**Mia solved these addition problems. **Some are wrong!** Find each mistake and write the correct answer.**Mia says: "467 + 358 = 715"*

$$\begin{array}{r} 1 \\ 467 \\ + 358 \\ \hline 715 \end{array}$$

*Correct or wrong? _____ If wrong, fix it: _____**Mia says: "2,543 + 1,278 = 3,821"*

$$\begin{array}{r} 1 \\ 2,543 \\ + 1,278 \\ \hline 3,821 \end{array}$$

*Correct or wrong? _____ If wrong, fix it: _____**Mia says: "3,906 + 847 = 4,853"*Find more at
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$3,906$ $+ 847$ $4,853$

Correct or wrong? _____ If wrong, fix it: _____



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WORKSHEET 3

Addition Machines

Name: _____

Date: _____

★ Score: _____

⚙️ What's the Rule? ⚙️

*What's the Rule?**Each machine adds a fixed number. Find the missing outputs and the rule.***Machine A:**

IN	1,200	2,400	3,150	4,825
OUT	1,700	2,900	_____	_____

Rule: _____

Machine B:

IN	3,467	1,809	5,230	2,641
OUT	5,467	3,809	_____	_____

Rule: _____

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WORKSHEET 4

The School Book Fair

Name: _____

Date: _____

★ Score: _____

Real-World Math!

*How Many Books Were Sold?**The school library held a book fair for two days.*

▶ Books sold on Monday	1,348
▶ Books sold on Tuesday	2,576
▶ Books donated by a parent	463

How many books were sold over both days combined? _____*How many books does the library have in total if you count sold books plus donated books?*

Another school sold 3,019 books at their fair. Which school sold more, and by how much?

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WORKSHEET 5

Addition Journal



Name: _____

Date: _____

★ Score: _____



Explain Your Thinking!

Tell Me What You Know!

Leo added $368 + 475$ and got 733. Mia got 843. Who is right? Show how you know, using the words **regroup** and **carry**.

When do you need to regroup while adding? Give an example of a column where you would **not** need to regroup and one where you **would**.

**Worksheet Superstar!**

You finished all the activities!



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THANK YOU

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- ✓ *Reference sheets and progress trackers*

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