

Montana MontCAS Grade 3 Math Workbook

Practice Problems & Exercises with Answer Key

Dr. A. Nazari

Copyright © 2026 Dr. A. Nazari

Published by View Math Education

ViewMath.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

The information in this book is distributed on an “as is” basis, without warranty. While every precaution has been taken in the preparation of this work, neither the author nor the publisher shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in this book.

Copyright © 2026

LET'S PRACTICE!

Grade 3 Math Workbook!



Hi there, math superstar! ★

This workbook is packed with **practice problems** to help you become a math champion! Each topic has a quick review, warm-up problems, lots of practice, and fun challenges.

- ✓ Practice makes you **stronger**!
- ✓ Take your time and **show your work**!
- ✓ Check your answers at the **back of the book**!

Grab a pencil and let's get started! 🚀

“ The more you practice, the better you get!
I believe in you! ”



How to Use This Workbook

Follow these steps for every topic!

Step 1: Quick Review

Each topic starts with a **Quick Review** to remind you of the key ideas. Read it before you begin!

Step 2: Warm-Up

Easy problems to get your brain ready. These are like stretching before a race!

Step 3: Practice

The main workout! Lots of problems to build your skills. Take your time and show your work.

Step 4: Challenge

Ready for something harder? These tricky problems will push your brain to the next level!

Step 5: Check Your Answers

Turn to the **Answer Key** at the back of the book. Mark each problem right or wrong, and learn from mistakes!

Tips for Students

- Do one topic at a time
- Show all your work
- Don't peek at answers first!
- Circle problems you find hard
- Come back to hard ones later

Tips for Parents

- Let your child work independently
- Review mistakes together
- Praise effort, not just answers
- 15–20 minutes per session
- Use with the Study Guide!

✓ **Answers and explanations** for all practice problems are in the **Answer Key** at the back of the book!

PREVIEW



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



X¹ Math Reference Sheet X¹

Use this page any time you need a quick reminder!

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
- **Digit** — a single number symbol (0–9)
- **Place Value** — what a digit is worth
- **Regroup** — trade 10 ones for 1 ten
- **Estimate** — a smart guess
- **Expanded Form** — showing each digit's value
- **Fraction** — a part of a whole
- **Equivalent** — equal in value
- **Perimeter** — distance around a shape
- **Area** — space inside a shape

 Place Value Chart

<i>Thousands</i>	<i>Hundreds</i>	<i>Tens</i>	<i>Ones</i>
1,000	100	10	1



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



Contents



1	<i>Number Sense & Place Value</i>	1
1.1	<i>Place Value: Ones, Tens, Hundreds</i>	2
2	<i>Multiplication & Division</i>	6
2.1	<i>Understanding Multiplication</i>	7



Find more at
ViewMath.com/Grade3



CHAPTER

1

Number Sense & Place Value

★ *What's Inside* ★

1.1 *Place Value: Ones, Tens, Hundreds* 2

★ 1.1 Place Value: Ones, Tens, Hundreds ★

Quick Review: Place Value

Place value tells us how much a digit is worth based on where it sits in a number.

- The **hundreds** place is on the left: it means groups of 100.
- The **tens** place is in the middle: it means groups of 10.
- The **ones** place is on the right: it means single units.

Example: In the number **527**: 5 hundreds = 500, 2 tens = 20, 7 ones = 7.

Expanded form: $527 = 500 + 20 + 7$

Warm-Up

Name the Place

What place is the underlined digit in? Write **hundreds**, **tens**, or **ones**.

1. 456 _____

4. 604 _____

2. 783 _____

5. 901 _____

3. 219 _____



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



 **ViewMath.com**

 What Is the Value? *Write the Value of the Underlined Digit*

6. $\underline{5}$ 73 _____

9. $\underline{8}$ 02 _____

7. 248 _____

10. 307 _____

8. 916 _____

11. 651 _____

Write in Expanded Form

12. $483 =$ _____

13. $615 =$ _____

14. $907 =$ _____

15. $350 =$ _____

 Write the Standard Form *Write the number in standard form (the normal way).*

16. $200 + 40 + 5 =$ _____

18. $500 + 0 + 2 =$ _____

17. $700 + 10 + 8 =$ _____

19. $100 + 90 + 9 =$ _____



Get Online

Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)

 True or False?

20. In 572, the digit 7 has a value of 70.

True ☐ False ☐

21. In 843, the digit 8 is in the tens place.

True ☐ False ☐

22. The expanded form of 405 is $400 + 0 + 5$.

True ☐ False ☐

23. $300 + 20 + 6 = 326$

True ☐ False ☐

 Word Problems

24. A library has 573 books. What is the value of the digit 5 in 573?

Answer: _____

25. Maya collected 268 stickers. Write this number in expanded form.

Answer: _____

26. Jake says the number with 4 hundreds, 0 tens, and 9 ones is 49. Is Jake correct? Explain.

Answer: _____

 Challenge!

27. I am a 3-digit number. My hundreds digit is double my ones digit. My tens digit is 5. My ones digit is 3. What number am I? _____

28. Using the digits 2, 7, and 4 (each used once), what is the **largest** 3-digit number you can make?



Find more at
ViewMath.com/Grade3



 ViewMath.com

★ *Great job practicing place value! You
are building strong number sense!* ★

PREVIEW



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



CHAPTER

2

Multiplication & Division

★ *What's Inside* ★

<i>2.1 Understanding Multiplication</i>	7
---	---

★ 2.1 Understanding Multiplication ★

Quick Review: What Is Multiplication?

Multiplication is a fast way to add **equal groups**.

- 3×4 means “3 groups of 4.”
- The numbers you multiply are called **factors**.
- The answer is called the **product**.

Example: $5 \times 2 = 10$ means 5 groups of 2: $2 + 2 + 2 + 2 + 2 = 10$.

You can show multiplication with **equal groups**, **arrays**, **repeated addition**, or **skip counting**.

Warm-Up

Quick Multiply

- | | | |
|-------------------------|-------------------------|-------------------------|
| 1. $2 \times 3 =$ _____ | 3. $1 \times 7 =$ _____ | 5. $5 \times 4 =$ _____ |
| 2. $4 \times 2 =$ _____ | 4. $3 \times 5 =$ _____ | 6. $2 \times 6 =$ _____ |

Write the Multiplication Sentence

Look at the Groups



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



Write a multiplication sentence and the product for each.

7. 3 groups of 6 $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

8. 5 groups of 3 $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

9. 4 groups of 4 $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

10. 2 groups of 9 $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

11. 6 groups of 2 $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

Repeated Addition to Multiplication

Rewrite as Multiplication

Write each repeated addition as a multiplication sentence.

12. $5 + 5 + 5 + 5 = \underline{\hspace{1cm}} \rightarrow \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

13. $3 + 3 + 3 + 3 + 3 = \underline{\hspace{1cm}} \rightarrow \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

14. $8 + 8 + 8 = \underline{\hspace{1cm}} \rightarrow \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

15. $6 + 6 = \underline{\hspace{1cm}} \rightarrow \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

Arrays

Write the Multiplication Sentence for Each Array

16. 3 rows with 4 in each row: $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

17. 5 rows with 2 in each row: $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

18. 2 rows with 8 in each row: $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$



Get Online



Find more at
ViewMath.com/Grade3



19. 4 rows with 5 in each row: $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

True or False?

20. 4×3 means 4 groups of 3.

True ☐ False ☐

21. $5 \times 2 = 2 \times 5$

True ☐ False ☐

22. $3 + 3 + 3 + 3$ is the same as 3×4 .

True ☐ False ☐

23. The product of 6×1 is 6.

True ☐ False ☐

Word Problems

24. A baker puts 6 cookies on each tray. He fills 3 trays. How many cookies are there in all?

Answer: $\underline{\hspace{2cm}}$ cookies

25. There are 4 fish tanks. Each tank has 5 fish. How many fish are there altogether?

Answer: $\underline{\hspace{2cm}}$ fish

26. Sam has 7 bags of marbles. Each bag has 2 marbles. How many marbles does Sam have?

Answer: $\underline{\hspace{2cm}}$ marbles

Challenge!

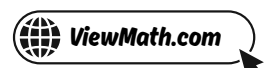
27. Draw two different arrays that each show a total of 12 objects. Write the multiplication sentence for each.



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



Array 1: _____ $\times$ _____ = 12

Array 2: _____ $\times$ _____ = 12

28. A farmer plants flowers in 5 equal rows. He plants 40 flowers in all. How many flowers are in each row? _____

★ You understand what multiplication means — equal groups, arrays, and repeated addition! Keep it up! ★



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



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*

 Visit us at [ViewMath.com](https://www.viewmath.com) for free resources and more books!