

# Michigan M-STEP Grade 5 Math Made Easy

*Study Guide with Key Concepts, Review & Practice*

**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



WELCOME TO

# Grade 5 Math Study Guide



Hi there, math learner! ★

This study guide has everything you need to learn Grade 5 math. Each topic explains the **key idea**, shows you **examples**, and gives you **practice problems** to try.

Ready? Let's go! 🚀



Learn



Practice



Succeed

CHAPTER

1

## *Place Value & Decimals*

### ★ *What's Inside* ★

|                                                   |          |
|---------------------------------------------------|----------|
| <b>1.1</b> <i>Place Value Relationships</i> ..... | <b>2</b> |
|---------------------------------------------------|----------|

## ★ 1.1 Place Value Relationships ★

### ★ Place Value Relationships ★

🎯 In this lesson you will learn:

- Understand that each digit's value depends on its **position**
- A digit is 10 times the value of the same digit one place to its right
- A digit is  $\frac{1}{10}$  the value of the same digit one place to its left

### 🎓 Every Place Is 10 Times

Each place in a number is 10 **times** the place to its right:

| Hundreds | Tens | Ones | . | Tenths | Hundredths | Thousandths |
|----------|------|------|---|--------|------------|-------------|
| 100      | 10   | 1    |   | 0.1    | 0.01       | 0.001       |

- Moving **left**: the value gets **10 times bigger**.
- Moving **right**: the value gets **10 times smaller** (that's  $\frac{1}{10}$ ).



“ Think of it like a zoom lens. Move left and everything gets 10× bigger. Move right and everything shrinks to  $\frac{1}{10}$  the size! ”



Find more at  
[ViewMath.com/Grade5](https://www.viewmath.com/Grade5)



 **What Is Each 5 Worth?**

In the number **5,555.55**, every digit is a 5 but each has a different value.

1. Thousands: 5,000   Hundreds: 500   Tens: 50   Ones: 5
2. Tenths: 0.5   Hundredths: 0.05
3. 5,000 is  $10 \times$  500, and 500 is  $10 \times$  50 — the pattern continues!

✓ **Answer:** Each 5 is 10 times the 5 to its right.

 **Compare Two Digits in 0.777**

1. The 7 in the **tenths** place = 0.7.
2. The 7 in the **hundredths** place = 0.07.
3. 0.7 is  $10$  times 0.07, and 0.07 is  $\frac{1}{10}$  of 0.7.

✓ **Answer:** The  $\times 10$  pattern works for decimals too!



Find more at  
[ViewMath.com/Grade5](https://www.viewmath.com/Grade5)



 **Place Value Relationships Practice** 

Write the **value** of the underlined digit.

1.  $\underline{6}$ ,482                      \_\_\_\_\_

3. 0. $\underline{4}$ 52                      \_\_\_\_\_

2. 3, $\underline{7}$ 15                      \_\_\_\_\_

4. 0.8 $\underline{6}$ 1                      \_\_\_\_\_

5. In 3,350, the 3 in the thousands place is how many times the value of the 3 in the hundreds place?

\_\_\_\_\_

6. In 0.66, the 6 in the hundredths place is what fraction of the 6 in the tenths place?

\_\_\_\_\_



Get Online



Find more at  
[ViewMath.com/Grade5](https://www.viewmath.com/Grade5)



**ViewMath.com**



CHAPTER

2

## *Operations with Decimals*

### ★ *What's Inside* ★

**2.1** *Add Decimals* ..... 6



## ★ 2.1 Add Decimals ★

### ★ Add Decimals ★

#### 🎯 In this lesson you will learn:

- Add decimals to the ***hundredths*** place
- Line up ***decimal points*** before adding
- Annex zeros when numbers have different decimal places

#### 🎓 Line Up the Decimal Points!

Adding decimals works just like adding whole numbers. The only extra step:

*Always line up the decimal points  
so that digits with the same place  
value are in the same column!*



Find more at  
[ViewMath.com/Grade5](https://www.viewmath.com/Grade5)



**ViewMath.com**



*0.th*

3.45

+2.30

5.75

If the numbers have different decimal places, **annex zeros** so they match. For example, write 5.6 as 5.60 before adding to 3.87.



“ Think of the decimal point as a **traffic cone** — everything lines up on either side of it! ”

**Add**  $5.6 + 3.87$

1. Annex a zero:  $5.6 \rightarrow 5.60$ .

2. Line up and add:

$$\begin{array}{r}
 \begin{array}{cc} 0 & 1 \end{array} \\
 \begin{array}{r} 0 \quad 0 \quad 5 \\ + 0 \quad 0 \quad 3 \\ \hline 0 \quad 0 \quad 9 \end{array}
 \end{array}$$

1. Hundredths:  $0 + 7 = 7$ .

2. Tenths:  $6 + 8 = 14$ . Write 4, carry 1.

3. Ones:  $5 + 3 + 1 = 9$ .



Find more at  
[ViewMath.com/Grade5](https://www.viewmath.com/Grade5)



✓ **Answer:**  $5.6 + 3.87 = 9.47$

 **Add**  $12.95 + 8.67$

$$\begin{array}{r}
 \overset{1}{0} \ \overset{1}{1} \ 2 \\
 + \ 0 \ 0 \ 8 \\
 \hline
 0 \ 2 \ 1
 \end{array}$$

1. *Hundredths:*  $5 + 7 = 12$ . Write 2, carry 1.
2. *Tenths:*  $9 + 6 + 1 = 16$ . Write 6, carry 1.
3. *Ones:*  $2 + 8 + 1 = 11$ . Write 1, carry 1.
4. *Tens:*  $1 + 0 + 1 = 2$ .

✓ **Answer:**  $12.95 + 8.67 = 21.62$



Find more at  
[ViewMath.com/Grade5](http://ViewMath.com/Grade5)



 Add Decimals Practice 

1.  $3.42 + 5.36 =$  \_\_\_\_\_

3.  $6.3 + 2.48 =$  \_\_\_\_\_

2.  $7.15 + 2.64 =$  \_\_\_\_\_

4.  $4 + 2.89 =$  \_\_\_\_\_

5.  $3.94 + 8.08 + 1.53 =$  \_\_\_\_\_

6. *Jake ran 2.4 km on Monday and 3.75 km on Tuesday. How far did he run in total?***Answer:** \_\_\_\_\_ kmFind more at  
[ViewMath.com/Grade5](https://www.viewmath.com/Grade5)

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*

*Available on Amazon and Teachers Pay Teachers*

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