

Tennessee TCAP Grade 5 Math Step by Step

A Beginner Friendly Guide to Learning Math

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

STEP BY STEP

Grade 5 Math Made Easy!

Hi there, math superstar! ★

This book teaches you Grade 5 math **one step at a time**.

Every topic shows you a clear set of steps, then you practice using those steps until they feel easy!

- ✓ Follow the **steps** — they're your recipe!
- ✓ Try the **examples** along the way!
- ✓ Mistakes help you **learn**!

Ready to take it step by step? Let's go! 🚀

“I'm Owlbert! I'll guide you through every step. Just follow along!”



CHAPTER

1

Place Value & Decimals

★ *What's Inside* ★

1.1 <i>Place Value Relationships</i>	2
---	----------

★ 1.1 Place Value Relationships ★

What You'll Learn

- Explain how each digit's value is 10 times the digit to its right
- Find the value of a digit based on its place
- Compare the values of the same digit in different places

Words to Know

- ▶ **Place Value** — How much a digit is worth based on where it sits in a number.
- ▶ **Digit** — One of the symbols 0–9 used to write numbers.
- ▶ **Value** — The amount a digit represents because of its position.

How to Find and Compare Digit Values

- 1 Find the digit's **place** — ones, tens, hundreds, thousands, tenths, hundredths, or thousandths.
- 2 Each place is 10 **times** the place to its right and $\frac{1}{10}$ of the place to its left.
- 3 Multiply the digit by its **place value** to find what it's worth.



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



Example: In 3,550, how does the value of the 5 in the hundreds place compare to the 5 in the tens place?

Step 1 Find each digit's place:

The first 5 is in the **hundreds** place. The second 5 is in the **tens** place.

Step 2 Hundreds is one place to the left of tens, so it is 10 times greater.

Step 3 Find the values: $5 \times 100 = 500$ and $5 \times 10 = 50$.

✓ The 5 in the hundreds place is 10 times the 5 in the tens place (500 vs. 50).

Example: In 0.777, compare the 7 in the tenths place to the 7 in the thousandths place.

Step 1 The first 7 is in the **tenths** place. The third 7 is in the **thousandths** place.

Step 2 Tenths is two places to the left of thousandths: $10 \times 10 = 100$ times greater.

Step 3 Values: $7 \times 0.1 = 0.7$ and $7 \times 0.001 = 0.007$.

✓ The 7 in the tenths place is 100 times the 7 in the thousandths place.

⚠ Watch Out! The same digit can mean very different things! The 4 in 4,000 is worth 4,000, but the 4 in 0.04 is only worth 0.04.



Get Online



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



Place Value Relationships Practice

Identify the Place

1. What place is the 6 in 6,432? _____
2. What place is the 8 in 3.482? _____

Compare Digit Values

3. In 2,255, the 2 in the thousands place is how many times the 5 in the tens place? _____
4. In 0.66, the 6 in the tenths place is how many times the 6 in the hundredths place? _____

Find the Value

5. Value of 9 in 9,301: _____
6. Value of 4 in 0.245: _____
7. Mia says the 5 in 5,500 and the 5 in 550 are worth the same. Is she right? Explain.

Answer: _____



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



CHAPTER

2

Operations with Decimals

★ *What's Inside* ★

2.1 *Add Decimals* 6



★ 2.1 Add Decimals ★

What You'll Learn

- Add decimals to the hundredths place
- Line up decimal points and annex zeros before adding

Words to Know

- ▶ **Decimal point** — The dot that separates the whole-number part from the fractional part.
- ▶ **Annex zeros** — Adding zeros to the end of a decimal so both numbers have the same number of decimal places.
- ▶ **Regroup** — When a column adds to 10 or more, carry the extra to the next column.

How to Add Decimals

- 1 Write the numbers vertically and **line up the decimal points**.
- 2 **Annex zeros** so both numbers have the same number of decimal places.
- 3 **Add** each column from right to left, regrouping when a column totals 10 or more.
- 4 **Bring down** the decimal point into the answer.



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



ViewMath.com

Example: Add $5.6 + 3.87$.

Step 1 Write vertically, decimal points lined up.

Step 2 Annex a zero: $5.6 \rightarrow 5.60$.

Step 3 Add right to left: hundredths $0 + 7 = 7$; tenths $6 + 8 = 14$, write 4, carry 1; ones $5 + 3 + 1 = 9$.

Step 4 Bring down the decimal point.

✓ $5.6 + 3.87 = 9.47$

Example: Add $12.95 + 8.67$.

Step 1 Write vertically, decimal points aligned.

Step 2 Both have two decimal places — no zeros needed.

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

Step 4 Bring down the decimal point.

✓ $12.95 + 8.67 = 21.62$

⚠ Watch Out! Don't line up the last digits — line up the **decimal points**! $3.9 + 0.14$ is NOT 3.9 over 0.14 matched at the right. Write $3.90 + 0.14$.



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



Add Decimals Practice

Line Up and Annex Zeros

1. $4.3 + 2.56 =$ _____

2. $8 + 1.47 =$ _____

Add With Regrouping

3. $6.78 + 5.94 =$ _____

4. $9.85 + 3.67 =$ _____

Put It All Together

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: _____ km



Get Online

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

ViewMath.com



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!