

# Oklahoma OSTP Grade 5 Math Workbook

*Practice Problems & Exercises with Answer Key*

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Published by View Math Education

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LET'S PRACTICE!

# Grade 5 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! ”



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 ★

#### Quick Review: Place Value Relationships

Each place in a number is **10 times** the value of the place to its right and **one-tenth** ( $\frac{1}{10}$ ) the value of the place to its left.

- Whole-number places: ... thousands, hundreds, tens, ones.
- Decimal places: tenths, hundredths, thousandths.
- Moving **left** → value gets  $10\times$  bigger. Moving **right** → value gets  $10\times$  smaller.

**Example:** In 5,555.555, every digit is 5 but each has a different value:

5,000   500   50   5   .   0.5   0.05   0.005

Each value is 10 times the one to its right.

### Warm-Up

#### Name the Place

What place is the underlined digit in?

1. 7,342 \_\_\_\_\_

4. 0.391 \_\_\_\_\_

2. 5,819 \_\_\_\_\_

5. 12.507 \_\_\_\_\_

3. 4.623 \_\_\_\_\_

6. 3.456 \_\_\_\_\_



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 What's the Value? 

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

7. 4,712

---

11. 0.937

---

8. 6,308

---

12. 1.425

---

9. 9,051

---

13. 7.008

---

10. 2,846

---

14. 5.555

---

 10 Times or  $\frac{1}{10}$ ? 

15. In 2,255, the 2 in the **thousands** place is how many times the value of the 2 in the **hundreds** place?

---

16. In 0.77, the 7 in the **hundredths** place is what fraction of the 7 in the **tenths** place?

---

17. In 6,600, how many times greater is the 6 in the **thousands** place than the 6 in the **hundreds** place?

---

18. In 44.4, the 4 in the **tenths** place is what fraction of the 4 in the **ones** place? 

---

19. In 3,030, the 3 in the **thousands** place is how many times the value of the 3 in the **tens** place?

---

20. In 8.088, the 8 in the **thousandths** place is what fraction of the 8 in the **ones** place?

---



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 True or False? 

21. A digit in the hundreds place is 10 times the value of the same digit in the tens place. True ☐

False ☐

22. In 999, all three digits have the same value. True ☐ False ☐

23. The 4 in 0.04 is  $\frac{1}{10}$  of the 4 in 0.4. True ☐ False ☐

24. In 5.55, the 5 in the hundredths place is 100 times the 5 in the ones place. True ☐ False ☐

  Word Problems 

25. Maya writes the number 7,770.77. How many times greater is the 7 in the thousands place than the 7 in the tens place?

Answer: \_\_\_\_\_ times

26. A penny is worth \$0.01 and a dime is worth \$0.10. How many times more is a dime worth than a penny?

Answer: \_\_\_\_\_ times

27. Carlos says the 3 in 3.3 has the same value in both places because it's the same digit. Is he correct? Explain.

Answer: \_\_\_\_\_

28. In the number 4,444.44, how many times greater is the 4 in the thousands place than the 4 in the hundredths place?

Answer: \_\_\_\_\_ times



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 **Challenge!** 

29. In 9,999.999, how many times greater is the 9 in the **thousands** place than the 9 in the **thousandths** place? \_\_\_\_\_

30. I am thinking of a number where the digit 6 appears twice. One 6 is worth 600 and the other is worth 0.06. How many times greater is the first 6 than the second? \_\_\_\_\_

31. Write a number where the digit 2 appears in both the tens place and the tenths place. Then explain how the two 2s are related.  
\_\_\_\_\_

 You just mastered the  $\times 10$  secret  
of place value — awesome work! 



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CHAPTER

2

## *Operations with Decimals*

### ★ *What's Inside* ★

**2.1** *Add Decimals* ..... 7



## ★ 2.1 Add Decimals ★

### ★ Add Decimals ★

#### Quick Review: Adding Decimals

To add decimals, **line up the decimal points** so each place value is in the correct column. Then add from right to left, just like whole numbers.

- **Annex zeros** so both numbers have the same number of decimal places.
- **Regroup** (carry) when a column totals 10 or more.
- **Bring down** the decimal point into the answer.

**Example:**  $5.6 + 3.87 \rightarrow 5.60 + 3.87 = 9.47$

**Estimate to check:**  $6 + 4 = 10$ . Since 9.47 is close to 10, the answer is reasonable.

#### Warm-Up

##### Add (Same Number of Decimal Places)

1.  $2.31 + 4.56 =$  \_\_\_\_\_

4.  $0.18 + 0.71 =$  \_\_\_\_\_

2.  $1.24 + 3.65 =$  \_\_\_\_\_

5.  $3.05 + 4.92 =$  \_\_\_\_\_

3.  $5.40 + 2.30 =$  \_\_\_\_\_

6.  $6.50 + 1.25 =$  \_\_\_\_\_



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 **Line Up and Add** **Different Numbers of Decimal Places**

*Annex zeros if needed, then add.*

7.  $4.7 + 2.35 =$  \_\_\_\_\_

10.  $12.9 + 3.05 =$  \_\_\_\_\_

8.  $8 + 1.64 =$  \_\_\_\_\_

11.  $5 + 0.78 =$  \_\_\_\_\_

9.  $0.6 + 0.38 =$  \_\_\_\_\_

12.  $9.1 + 4.86 =$  \_\_\_\_\_

 **Add with Regrouping** **Show Your Work**

*Add using the standard algorithm. Show regrouping.*

13.  $6.78 + 4.56 =$  \_\_\_\_\_

14.  $15.87 + 9.65 =$  \_\_\_\_\_

15.  $7.96 + 3.48 + 2.07 =$  \_\_\_\_\_



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 True or False? 

16.  $3.4 + 2.6 = 6.0$

True ☐ False ☐17. When adding  $7.5 + 0.32$ , you should write 7.5 as 7.50.True ☐ False ☐

18.  $0.09 + 0.01 = 0.010$

True ☐ False ☐

19.  $4.25 + 5.75 = 10.00$

True ☐ False ☐  Word Problems 

20. A book costs \$7.85 and a magazine costs \$3.50. How much do they cost together?

Answer: \_\_\_\_\_

21. Marcus jogged 2.75 km in the morning and 1.8 km in the afternoon. How far did he jog in all?

Answer: \_\_\_\_\_ km

22. Three boxes weigh 5.4 kg, 3.25 kg, and 2.15 kg. What is the total weight?

Answer: \_\_\_\_\_ kg

 Challenge! 

23. The sum of two decimals is 8.00. One of them is 5.37. What is the other? \_\_\_\_\_

24. Kai bought three items at the store for \$4.65, \$2.80, and \$1.55. What was the total cost?  
\_\_\_\_\_

25. Find three different decimals (each with two decimal places) that add up to exactly 1.00.

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = 1.00

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★ *You're adding decimals like a pro!*  
*Keep those decimal points lined up!* ★

PREVIEW



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