

Delaware DeSSA Grade 5 Math Workbook

Practice Problems & Exercises with Answer Key

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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

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★ 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. <u>4</u> ,712 | 11. 0. <u>9</u> 37 |
| _____ | _____ |
| 8. 6, <u>3</u> 08 | 12. 1. <u>4</u> 25 |
| _____ | _____ |
| 9. 9,0 <u>5</u> 1 | 13. 7.00 <u>8</u> |
| _____ | _____ |
| 10. 2,84 <u>6</u> | 14. <u>5</u> .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

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★ 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! ★

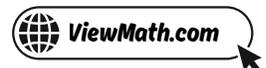
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- ✓ *Hundreds of practice problems*
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