South Carolina SC READY Grade 5 Math Workbook

Practice Problems & Exercises with Answer Key

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PREVIEW

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!

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CHAPTER

1

Place Value & Decimals

What's Inside

1.1 Place Value Relationships 2

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:*

$5{,}000 \quad 500 \quad 50 \quad 5 \quad . \quad 0.5 \quad 0.05 \quad 0.005$

Each value is 10 times the one to its right.

Warm-Up

Name the Place

What place is the underlined digit in?

1. $\underline{7}{,}342$ _____
2. $5{,}\underline{8}19$ _____
3. $4.\underline{6}23$ _____
4. $0.3\underline{9}1$ _____
5. $12.50\underline{7}$ _____
6. $\underline{3}.456$ _____

What's the Value?

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

7. $\underline{4},712$ _____

8. $6,\underline{3}08$ _____

9. $9,0\underline{5}1$ _____

10. $2,84\underline{6}$ _____

11. $0.\underline{9}37$ _____

12. $1.4\underline{2}5$ _____

13. $7.00\underline{8}$ _____

14. $\underline{5}.555$ _____

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?*

_____

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*

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!

PREVIEW

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. $2.31 + 4.56 =$ _____
2. $1.24 + 3.65 =$ _____
3. $5.40 + 2.30 =$ _____
4. $0.18 + 0.71 =$ _____
5. $3.05 + 4.92 =$ _____
6. $6.50 + 1.25 =$ _____

Line Up and Add

Different Numbers of Decimal Places

Annex zeros if needed, then add.

7. $4.7 + 2.35 =$ _____

8. $8 + 1.64 =$ _____

9. $0.6 + 0.38 =$ _____

10. $12.9 + 3.05 =$ _____

11. $5 + 0.78 =$ _____

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. $7.96 + 3.48 + 2.07 =$ _____

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

You're adding decimals like a pro!

Keep those decimal points lined up!

PREVIEW

THANK YOU

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