

# Adding Decimals

Grade 5 Math • Section 7.1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 17

## Quick Review and Helpful Hints

**Steps:** (1) Line up the decimal points. (2) Add zeros to the right so both numbers have the same number of decimal places. (3) Add as with whole numbers. (4) Place the decimal point in the answer directly below.

Estimate first to check:  $4.7 + 3.26 \approx 5 + 3 = 8$ .

Always line up the decimal points — not the last digits.

**Example:** Add  $4.7 + 3.26$ .

Write  $4.7$  as  $4.70$  so both have two decimal places. Add:  $4.70 + 3.26 = 7.96$ .

**Answer:** 7.96

## Practice Problems

Add.

- |                            |                            |                             |
|----------------------------|----------------------------|-----------------------------|
| 1. $3.45 + 2.31 =$ _____   | 6. $45.6 + 3.78 =$ _____   | 11. $25.15 + 4.9 =$ _____   |
| 2. $0.76 + 0.89 =$ _____   | 7. $9.99 + 0.01 =$ _____   | 12. $0.56 + 0.044 =$ _____  |
| 3. $12.5 + 3.48 =$ _____   | 8. $8.3 + 14.67 =$ _____   | 13. $100.5 + 99.75 =$ _____ |
| 4. $7.004 + 2.96 =$ _____  | 9. $0.008 + 0.992 =$ _____ | 14. $3.006 + 7.4 =$ _____   |
| 5. $0.125 + 0.875 =$ _____ | 10. $6.4 + 3.075 =$ _____  | 15. $0.35 + 1.652 =$ _____  |

## Word Problems

16. A student buys a notebook for \$3.75 and a pen for \$1.49. How much did the student spend? \_\_\_\_\_

17. Two packages weigh 2.45 kg and 3.8 kg. What is their combined weight? \_\_\_\_\_



## Answer Keys

- |                                       |                                          |
|---------------------------------------|------------------------------------------|
| 1. <input type="text" value="5.76"/>  | 10. <input type="text" value="9.475"/>   |
| 2. <input type="text" value="1.65"/>  | 11. <input type="text" value="30.05"/>   |
| 3. <input type="text" value="15.98"/> | 12. <input type="text" value="0.604"/>   |
| 4. <input type="text" value="9.964"/> | 13. <input type="text" value="200.25"/>  |
| 5. <input type="text" value="1"/>     | 14. <input type="text" value="10.406"/>  |
| 6. <input type="text" value="49.38"/> | 15. <input type="text" value="2.002"/>   |
| 7. <input type="text" value="10"/>    | 16. <input type="text" value="\$5.24"/>  |
| 8. <input type="text" value="22.97"/> | 17. <input type="text" value="6.25 kg"/> |
| 9. <input type="text" value="1"/>     |                                          |

### Step-by-Step Explanations

**1.** Start with the main idea. For adding decimals, line up the decimal values and compute  $3.45 + 2.31 = 5.76$ . Write the given information first, then choose the operation that matches the situation.

**2.** Keep the work tidy. For adding decimals, line up the decimal values and compute  $0.76 + 0.89 = 1.65$ . A quick estimate helps confirm that the final answer is reasonable.

**3.** Look at what the numbers mean. For adding decimals, line up the decimal values and compute  $12.5 + 3.48 = 15.98$ . The explanation should show both the computation and why that computation fits the problem.

**4.** Use the setup first. For adding decimals, line up the decimal values and compute  $7.004 + 2.96 = 9.964$ . Write the given information first, then choose the operation that matches the situation.

**5.** Check the size of the answer. For adding decimals, line up the decimal values and compute  $0.125 + 0.875 = 1$ . A quick estimate helps confirm that the final answer is reasonable.

**6.** Match the operation to the words. For adding decimals, line up the decimal values and compute  $45.6 + 3.78 = 49.38$ . The explanation should show both the computation and why that computation fits the problem.

**7.** Write the important values first. For adding decimals, line up the decimal values and compute  $9.99 + 0.01 = 10$ . Write the given information first, then choose the operation that matches the situation.

**8.** Follow the pattern carefully. For adding decimals, line up the decimal values and compute  $8.3 + 14.67 = 22.97$ . A quick estimate helps confirm that the final answer is reasonable.

**9.** Start with the main idea. For adding decimals, line up the decimal values and

compute  $0.008 + 0.992 = 1$ . The explanation should show both the computation and why that computation fits the problem.

**10.** Keep the work tidy. For adding decimals, line up the decimal values and compute  $6.4 + 3.075 = 9.475$ . Write the given information first, then choose the operation that matches the situation.

**11.** Look at what the numbers mean. For adding decimals, line up the decimal values and compute  $25.15 + 4.9 = 30.05$ . A quick estimate helps confirm that the final answer is reasonable.

**12.** Use the setup first. For adding decimals, line up the decimal values and compute  $0.56 + 0.044 = 0.604$ . The explanation should show both the computation and why that computation fits the problem.

**13.** Check the size of the answer. For adding decimals, line up the decimal values and compute  $100.5 + 99.75 = 200.25$ . Write the given information first, then choose the operation that matches the situation.

**14.** Match the operation to the words. For adding decimals, line up the decimal values and compute  $3.006 + 7.4 = 10.406$ . A quick estimate helps confirm that the final answer is reasonable.

**15.** Write the important values first. For adding decimals, line up the decimal values and compute  $0.35 + 1.652 = 2.002$ . The explanation should show both the computation and why that computation fits the problem.

**16.** Follow the pattern carefully. For adding decimals, add the prices:  $3.75 + 1.49 = 5.24$ . Write the given information first, then choose the operation that matches the situation.

**17.** Start with the main idea. For adding decimals, add the weights:  $2.45 + 3.8 = 6.25$  kg. A quick estimate helps confirm that the final answer is reasonable.



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