

# 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. 5.76  | 10. 9.475   |
| 2. 1.65  | 11. 30.05   |
| 3. 15.98 | 12. 0.604   |
| 4. 9.964 | 13. 200.25  |
| 5. 1     | 14. 10.406  |
| 6. 49.38 | 15. 2.002   |
| 7. 10    | 16. \$5.24  |
| 8. 22.97 | 17. 6.25 kg |
| 9. 1     |             |

### Step-by-Step Explanations

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.



# Want Even More Practice?

Check Out Our Other Pennsylvania PSSA Test Books!



## Pennsylvania PSSA Grade 5 Math Preparation Bundle

18 full-length practice tests across three books  
(5 + 6 + 7)

No repeated questions—maximum practice value!



**18 Tests!**  
**3 Books**  
**One Bundle**

**Important:** All our test books contain **unique, completely different tests** from each other! Each book offers fresh practice questions—no repeats!

### 5 Practice Tests

- ✓ 5 complete practice tests with detailed explanations
- ✓ Perfect foundation for PSSA test preparation
- ✓ Builds confidence and test-taking skills
- ✓ High-quality questions aligned with state standards

**Start your practice journey!**

### 6 Practice Tests

- ✓ 6 complete practice tests with detailed explanations
- ✓ **Unique tests**—different from the 5 tests book
- ✓ Perfect for more practice after mastering 5 tests
- ✓ Builds even more confidence and test-taking skills
- ✓ Same high-quality questions aligned with standards

**Take your practice to the next level!**

### 7 Practice Tests

- ✓ 7 complete practice tests for maximum preparation
- ✓ **Unique tests**—different from 5 and 6 tests books
- ✓ The most comprehensive practice for Grade 5
- ✓ Ideal for students aiming for top scores
- ✓ Extensive practice builds mastery and confidence

**Go all the way with comprehensive practice!**