

# 3.1

## Decimal Addition with Carrying

### • Example 1

Add 0.35, 1.58, and 0.67.

$  \begin{array}{r}  1\ 2 \\  0.35 \\  1.58 \\  +0.67 \\  \hline  2.60  \end{array}  $	← Carries	<p>In the hundredths column:  <math>5 + 8 + 7 = 20</math>          Write 0 and carry 2 to the tenths column.</p> <p>In the tenths column:  <math>2 + 3 + 5 + 6 = 16</math>          Write 6 and carry 1 to the ones column.</p>
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**Note:** The carrying process works with decimals, just as it did with whole numbers, because each place value is again *one-tenth* the value of the place to its left.

### ● ● ● CHECK YOURSELF 1

Add 23.546, 0.489, 2.312, and 6.135.

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### • Example 2

Add 0.53, 4, 2.7, and 3.234.

Note that 0.53 can be written as 0.530 and 4 can be written as 4.000. We obtain:

$$\begin{array}{r}
 0.530 \\
 4.000 \\
 2.700 \\
 + 3.234 \\
 \hline
 10.464
 \end{array}$$

### ● ● ● CHECK YOURSELF 2

Add 6, 2.583, 4.7, and 2.54.

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● ● ● CHECK YOURSELF ANSWERS

1. 32.482.      2. 
$$\begin{array}{r} 6.000 \\ 2.583 \\ 4.700 \\ + 2.540 \\ \hline 15.823. \end{array}$$

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# 3.1 Exercises

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

## A N S W E R S

Add.

$$\begin{array}{r} 1. \quad 0.28 \\ +0.79 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 2.59 \\ +0.63 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 2.485 \\ +1.25 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 0.62 \\ \quad 4.23 \\ +12.5 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 0.57 \\ +0.93 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 2.875 \\ +0.95 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 13.86 \\ \quad 3.8 \\ + 0.59 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 4.23 \\ +97.984 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 0.50 \\ \quad 2.99 \\ +24.8 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 5.28 \\ +19.455 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 23.845 \\ + 7.29 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 13.58 \\ \quad 7.239 \\ + 1.5 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 8.625 \\ \quad 2.45 \\ +12.6 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 25.3582 \\ \quad 6.5 \\ \quad 1.898 \\ + 0.69 \\ \hline \end{array}$$

1. \_\_\_\_\_

2. \_\_\_\_\_

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

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

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

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

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

# A N S W E R S

15. \_\_\_\_\_  
 16. \_\_\_\_\_  
 17. \_\_\_\_\_  
 18. \_\_\_\_\_  
 19. \_\_\_\_\_  
 20. \_\_\_\_\_  
 21. \_\_\_\_\_  
 22. \_\_\_\_\_  
 23. \_\_\_\_\_  
 24. \_\_\_\_\_  
 25. \_\_\_\_\_  
 26. \_\_\_\_\_  
 27. \_\_\_\_\_  
 28. \_\_\_\_\_  
 29. \_\_\_\_\_  
 30. \_\_\_\_\_

$$\begin{array}{r} 15. \quad 29.358 \\ \quad \quad 0.24 \\ + \quad 6.7 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 36.8954 \\ \quad \quad 8.7 \\ \quad \quad 1.789 \\ + \quad 0.78 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 1.336 \\ \quad \quad 15.6857 \\ \quad \quad 7.9 \\ + \quad 0.85 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 2.581 \\ \quad \quad 0.24 \\ + 0.7 \\ \hline \end{array}$$

$$19. \quad 0.43 + 0.8 + 0.561$$

$$20. \quad 1.25 + 0.7 + 0.259$$

$$21. \quad 5 + 23.7 + 8.7 + 9.85$$

$$22. \quad 28.3 + 6 + 8.76 + 3.8$$

$$23. \quad 25.83 + 1.7 + 3.92$$

$$24. \quad 4.8 + 32.59 + 4.76$$

$$25. \quad 42.731 + 1.058 + 103.24$$

$$26. \quad 27.4 + 213.321 + 39.38$$

$$27. \quad 23.5 + 3.26 + 0.96$$

$$28. \quad 528.271 + 1.85 + 18.9$$

$$29. \quad 13.675 + 9 + 0.87 + 235.8$$

$$30. \quad 27.2 + 0.815 + 0.3484 + 7$$