

Additional Exercises 5.3

Name: _____

Date: _____

Example 1: Multiply. 3.5×0.56

$$\begin{array}{r} 3.5 \quad 1 \text{ decimal place} \\ \times 0.56 \quad 2 \text{ decimal places} \\ \hline 210 \\ 1750 \\ \hline 1.960 \end{array}$$

$1 + 2 = 3$ Answer must have 3 decimal places.

Example 2: Multiply. 2.653×100

Move the decimal 2 places to the right since there are 2 zeros in 100.

$$2.653 \times 100 = 265.3$$

Exercises

Multiply.

1. $\begin{array}{r} 2.6 \\ \times 0.4 \\ \hline \end{array}$

1. _____

2. $\begin{array}{r} 3.9 \\ \times 0.8 \\ \hline \end{array}$

2. _____

3. $\begin{array}{r} 0.15 \\ \times 0.22 \\ \hline \end{array}$

3. _____

4. $\begin{array}{r} -2.8 \\ \times 5.3 \\ \hline \end{array}$

4. _____

5. $\begin{array}{r} -4.2 \\ \times 0.7 \\ \hline \end{array}$

5. _____

6. $\begin{array}{r} 1.002 \\ \times 0.025 \\ \hline \end{array}$

6. _____

Multiply.

7. 2.95×10

7. _____

8. 3.6×100

8. _____

9. 0.295×100

9. _____

10. 75×0.001

10. _____

11. $(3.6)(0.4)$

11. _____

Additional Exercises 5.3 (cont.)

Name: _____

Write each number in standard form.

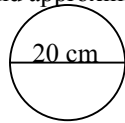
12. $(7.29)(0.5)$

12. _____

13. $(-0.2)(-0.38)$

13. _____

14. Use the approximation 3.14 for π and approximate the circumference of the circle shown.



14. _____

Write each fraction as a decimal.

15. One cracker has 0.3 grams of fat. How much fat is in 8 crackers?

15. _____

16. A meter is approximately equal to 39.37 inches. Susie is 1.2 meters tall. Find her approximate height in inches.

16. _____

17. Evaluate xy if $x = 2.95$ and $y = -0.2$

17. _____

18. Evaluate $3x$ if $x = 1.2$

18. _____

19. Find the perimeter of a square with sides of length 3.2 yards.

19. _____

20. Find the area of a rectangle with width 2.35 ft. and length 4.8 ft.

20. _____