

4.8

Multiplying a Decimal by a Decimal: Problem Type 2

• Example 1

Multiply.

$$\begin{array}{r}
 0.136 \leftarrow \text{Three digits to the right of the decimal point} \\
 \times 0.28 \leftarrow \text{Two digits to the right of the decimal point} \\
 \hline
 1088 \\
 272 \\
 \hline
 0.03808 \leftarrow \text{Five digits to the right of the decimal point} \\
 \uparrow \\
 \text{Insert 0}
 \end{array}$$

$$3 + 2 = 5$$

Insert a 0 to mark off five digits.

• • • CHECK YOURSELF 1

Multiply 0.234×0.24 .

• • • CHECK YOURSELF ANSWER

1. 0.05616.

4.8 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Multiply.

$$\begin{array}{r} 1. \quad 2.3 \\ \times 0.02 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 0.065 \\ \times 0.43 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 8.04 \\ \times 0.005 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 1.053 \\ \times 0.052 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 2.375 \\ \times 0.028 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 1.02 \\ \times 0.046 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 0.0056 \\ \times 0.082 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 1.008 \\ \times 0.046 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 0.8 \\ \times 0.02376 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 0.017 \\ \times 4.03 \\ \hline \end{array}$$