

## Multiplying Decimals

Multiply decimals just like you multiply whole numbers. The number of decimal places in the product is equal to the sum of the number of decimal places in the factors.

**Example** Multiply 0.038 and 0.17.

$$\begin{array}{r} 0.038 \quad \leftarrow \text{three decimal places} \\ \times 0.17 \quad \leftarrow \text{two decimal places} \\ \hline 266 \\ \underline{38} \\ 0.00646 \quad \leftarrow \text{five decimal places} \end{array}$$

The product is 0.00646.

**Multiply.**

1. 
$$\begin{array}{r} 0.8 \\ \times 7 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 0.04 \\ \times 0.3 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 0.16 \\ \times 26 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 0.003 \\ \times 4.2 \\ \hline \end{array}$$

5.  $12.2 \times 0.06$

6.  $0.0015 \times 0.15$

7.  $1.9 \times 2.2$