

Name: \_\_\_\_\_

## Multiplying Large Numbers with Place Values

Solve each of the following problems using the place value grid provided.

<b>Example</b> $\begin{array}{r} 4,267 \\ \times \quad 6 \\ \hline 25,602 \end{array}$	$\underline{4} \times \underline{6} \times 1,000 = \underline{24,000}$
	$\underline{2} \times \underline{6} \times 100 = \underline{1,200}$
	$\underline{6} \times \underline{6} \times 10 = \underline{360}$
	$\underline{7} \times \underline{6} \times 1 = \underline{42}$
	<b>= 25,602</b>

**A.**

$$\begin{array}{r} 3,591 \\ \times \quad 4 \\ \hline \end{array}$$

\_\_\_\_\_ x \_\_\_\_\_ x 1,000 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 100 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 10 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 1 = \_\_\_\_\_

**B.**

$$\begin{array}{r} 1,862 \\ \times \quad 9 \\ \hline \end{array}$$

\_\_\_\_\_ x \_\_\_\_\_ x 1,000 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 100 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 10 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 1 = \_\_\_\_\_

**C.**

$$\begin{array}{r} 7,019 \\ \times \quad 5 \\ \hline \end{array}$$

\_\_\_\_\_ x \_\_\_\_\_ x 1,000 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 100 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 10 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 1 = \_\_\_\_\_

**D.**

$$\begin{array}{r} 5,863 \\ \times \quad 8 \\ \hline \end{array}$$

\_\_\_\_\_ x \_\_\_\_\_ x 1,000 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 100 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 10 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 1 = \_\_\_\_\_

**E.**

$$\begin{array}{r} 6,378 \\ \times \quad 7 \\ \hline \end{array}$$

\_\_\_\_\_ x \_\_\_\_\_ x 1,000 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 100 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 10 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 1 = \_\_\_\_\_

**F.**

$$\begin{array}{r} 8,406 \\ \times \quad 3 \\ \hline \end{array}$$

\_\_\_\_\_ x \_\_\_\_\_ x 1,000 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 100 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 10 = \_\_\_\_\_  
\_\_\_\_\_ x \_\_\_\_\_ x 1 = \_\_\_\_\_

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**KEY**

## Multiplying Large Numbers with Place Values

Solve each of the following problems using the place value grid provided.

**Example**

$$\begin{array}{r} 4,267 \\ \times \quad 6 \\ \hline 25,602 \end{array}$$

$$\underline{4} \times \underline{6} \times 1,000 = \underline{24,000}$$

$$\underline{2} \times \underline{6} \times 100 = \underline{1,200}$$

$$\underline{6} \times \underline{6} \times 10 = \underline{360}$$

$$\underline{7} \times \underline{6} \times 1 = \underline{42}$$

$$= \underline{25,602}$$

**A.**

$$\begin{array}{r} 3,591 \\ \times \quad 4 \\ \hline 14,364 \end{array}$$

$$\underline{3} \times \underline{4} \times 1,000 = \underline{12,000}$$

$$\underline{5} \times \underline{4} \times 100 = \underline{2,000}$$

$$\underline{9} \times \underline{4} \times 10 = \underline{360}$$

$$\underline{1} \times \underline{4} \times 1 = \underline{4}$$

$$= \underline{14,364}$$

**B.**

$$\begin{array}{r} 1,862 \\ \times \quad 9 \\ \hline 16,758 \end{array}$$

$$\underline{1} \times \underline{9} \times 1,000 = \underline{9,000}$$

$$\underline{8} \times \underline{9} \times 100 = \underline{7,200}$$

$$\underline{6} \times \underline{9} \times 10 = \underline{540}$$

$$\underline{2} \times \underline{9} \times 1 = \underline{18}$$

$$= \underline{16,758}$$

**C.**

$$\begin{array}{r} 7,019 \\ \times \quad 5 \\ \hline 35,095 \end{array}$$

$$\underline{7} \times \underline{5} \times 1,000 = \underline{35,000}$$

$$\underline{0} \times \underline{5} \times 100 = \underline{00}$$

$$\underline{1} \times \underline{5} \times 10 = \underline{50}$$

$$\underline{9} \times \underline{5} \times 1 = \underline{45}$$

$$= \underline{35,095}$$

**D.**

$$\begin{array}{r} 5,863 \\ \times \quad 8 \\ \hline 46,904 \end{array}$$

$$\underline{5} \times \underline{8} \times 1,000 = \underline{40,000}$$

$$\underline{8} \times \underline{8} \times 100 = \underline{6,400}$$

$$\underline{6} \times \underline{8} \times 10 = \underline{480}$$

$$\underline{3} \times \underline{8} \times 1 = \underline{24}$$

$$= \underline{46,904}$$

**E.**

$$\begin{array}{r} 6,378 \\ \times \quad 7 \\ \hline 44,646 \end{array}$$

$$\underline{6} \times \underline{7} \times 1,000 = \underline{42,000}$$

$$\underline{3} \times \underline{7} \times 100 = \underline{2,100}$$

$$\underline{7} \times \underline{7} \times 10 = \underline{490}$$

$$\underline{8} \times \underline{7} \times 1 = \underline{56}$$

$$= \underline{44,646}$$

**F.**

$$\begin{array}{r} 8,406 \\ \times \quad 3 \\ \hline 25,218 \end{array}$$

$$\underline{8} \times \underline{3} \times 1,000 = \underline{24,000}$$

$$\underline{4} \times \underline{3} \times 100 = \underline{1,200}$$

$$\underline{0} \times \underline{3} \times 10 = \underline{0}$$

$$\underline{6} \times \underline{3} \times 1 = \underline{18}$$

$$= \underline{25,218}$$