

Lesson 23: Quiz 1 - Multiplying by Two places

Directions: Try solving the problems below. The first few are partially completed. Watch the zeros!

Example:

$$\begin{array}{r}
 11 \\
 2132 \\
 \times 62 \\
 \hline
 4264 \\
 127920 \\
 \hline
 132,184
 \end{array}$$

Fill in the missing numbers.



When we multiply by two places, be careful of the place value in the product. Keep your columns straight before you add. Don't forget to carry!

Multiply 2132 by 2 in the ones place.	Put a zero in the ones place as a holder.	Now, multiply 2132 by 20 (2 in the tens place).	Add, be sure your columns are straight.
$ \begin{array}{r} 2132 \\ \times 62 \\ \hline 4264 \end{array} $	$ \begin{array}{r} 2132 \\ \times 62 \\ \hline 4264 \\ 0 \end{array} $	$ \begin{array}{r} 11 \\ 2132 \\ \times 62 \\ \hline 4264 \\ 127920 \\ \hline 127920 \end{array} $	$ \begin{array}{r} 2132 \\ \times 62 \\ \hline 4264 \\ +127920 \\ \hline 132,184 \end{array} $

5 4 4

1) $\begin{array}{r} 8767 \\ \times 71 \\ \hline \end{array}$

$\begin{array}{r} 87ab \\ + 6c3d90 \\ \hline \end{array}$

$\begin{array}{r} 87ab \\ + 6c3d90 \\ \hline \end{array}$

$\begin{array}{r} 87ab \\ + 6c3d90 \\ \hline \end{array}$

$\begin{array}{r} 87ab \\ + 6c3d90 \\ \hline e224f7 \end{array}$

The value for **a** = __ , **b** = __ , **c** = __ , **d** = __ , **e** = __ , **f** = __

2) $\begin{array}{r} 5264 \\ \times 83 \\ \hline \end{array}$

$\begin{array}{r} 15a9b \\ + 42c120 \\ \hline \end{array}$

$\begin{array}{r} 15a9b \\ + 42c120 \\ \hline \end{array}$

$\begin{array}{r} 15a9b \\ + 42c120 \\ \hline 436def \end{array}$

The value for **a** = __ , **b** = __ , **c** = __ , **d** = __ , **e** = __ , **f** = __

3) $\begin{array}{r} 4675 \\ \times 50 \\ \hline \end{array}$

$\begin{array}{r} 0000 \\ + a3bc50 \\ \hline \end{array}$

$\begin{array}{r} 0000 \\ + a3bc50 \\ \hline \end{array}$

$\begin{array}{r} 0000 \\ + a3bc50 \\ \hline \end{array}$

$\begin{array}{r} 0000 \\ + a3bc50 \\ \hline 233750 \end{array}$

The value for **a** = __ , **b** = __ , **c** = __ , **d** = __ , **e** = __ , **f** = __