

# Two-Digit Multipliers

#15

Steps in multiplying by a two-digit factor:

1. Multiply the top factor 27 by the 1 in the bottom factor 51.
2. Multiply 27 by 5 and leave the space below the 7 empty because you are multiplying by a tens' digit.
3. Add the partial products.

$$\begin{array}{r}
 27 \text{ factor} \\
 \times 51 \text{ factor} \\
 \hline
 27 \text{ partial product} \\
 + 135 \text{ partial product} \\
 \hline
 1,377 \text{ product}
 \end{array}$$

a.  $\begin{array}{r} 4,783 \\ \times 6 \\ \hline \end{array}$

b.  $\begin{array}{r} 9,504 \\ \times 7 \\ \hline \end{array}$

c.  $\begin{array}{r} 8,729 \\ \times 3 \\ \hline \end{array}$

d.  $\begin{array}{r} 6,041 \\ \times 6 \\ \hline \end{array}$

e.  $\begin{array}{r} 9,487 \\ \times 5 \\ \hline \end{array}$

f.  $\begin{array}{r} 75 \\ \times 37 \\ \hline \end{array}$

g.  $\begin{array}{r} 97 \\ \times 25 \\ \hline \end{array}$

h.  $\begin{array}{r} 67 \\ \times 43 \\ \hline \end{array}$

i.  $\begin{array}{r} 19 \\ \times 27 \\ \hline \end{array}$

j.  $\begin{array}{r} 65 \\ \times 48 \\ \hline \end{array}$

## 2. Work.

a.  $\begin{array}{r} 97 \\ \times 15 \\ \hline \end{array}$

b.  $\begin{array}{r} 24 \\ \times 32 \\ \hline \end{array}$

c.  $\begin{array}{r} 47 \\ \times 26 \\ \hline \end{array}$

## 3. Answer quickly.

a.  $\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$

b.  $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$

c.  $\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$

d.  $\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$

e.  $\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$

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

g.  $\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$

h.  $\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$

i.  $\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$

j.  $\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$

k.  $5 \times \underline{\quad} = 35$

l.  $\underline{\quad} \times 9 = 27$

m.  $7 \times \underline{\quad} = 28$