

Lesson 1.1 Multiplying 2 and 3 Digits by 2 Digits

Multiply right
to left.

$$\begin{array}{r}
 \overset{2}{2}4 \\
 \times \quad 7 \\
 \hline
 168
 \end{array}
 \quad
 \begin{array}{r}
 \overset{2}{2}4 \\
 \times \quad 37 \\
 \hline
 168 \\
 + 720 \\
 \hline
 888
 \end{array}
 \quad
 \begin{array}{r}
 \overset{1}{2}4 \\
 \times \quad 30 \\
 \hline
 720
 \end{array}$$

If $24 \times 3 = 72$, then
 $24 \times 30 = 720$.

Multiply right
to left.

$$\begin{array}{r}
 427 \\
 \times \quad 1 \\
 \hline
 427
 \end{array}
 \quad
 \begin{array}{r}
 \overset{4}{4}27 \\
 \times \quad 61 \\
 \hline
 427 \\
 + 25620 \\
 \hline
 26,047
 \end{array}
 \quad
 \begin{array}{r}
 \overset{1}{4}27 \\
 \times \quad 60 \\
 \hline
 25620
 \end{array}$$

Multiply.

- | | a | b | c | d | e | f |
|-----------|---|---|---|---|---|---|
| 1. | $\begin{array}{r} 43 \\ \times 42 \\ \hline \end{array}$ | $\begin{array}{r} 75 \\ \times 12 \\ \hline \end{array}$ | $\begin{array}{r} 52 \\ \times 28 \\ \hline \end{array}$ | $\begin{array}{r} 36 \\ \times 91 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ \times 77 \\ \hline \end{array}$ | $\begin{array}{r} 21 \\ \times 13 \\ \hline \end{array}$ |
| 2. | $\begin{array}{r} 24 \\ \times 87 \\ \hline \end{array}$ | $\begin{array}{r} 62 \\ \times 54 \\ \hline \end{array}$ | $\begin{array}{r} 96 \\ \times 32 \\ \hline \end{array}$ | $\begin{array}{r} 18 \\ \times 47 \\ \hline \end{array}$ | $\begin{array}{r} 33 \\ \times 79 \\ \hline \end{array}$ | $\begin{array}{r} 45 \\ \times 63 \\ \hline \end{array}$ |
| 3. | $\begin{array}{r} 26 \\ \times 53 \\ \hline \end{array}$ | $\begin{array}{r} 39 \\ \times 74 \\ \hline \end{array}$ | $\begin{array}{r} 44 \\ \times 81 \\ \hline \end{array}$ | $\begin{array}{r} 473 \\ \times 64 \\ \hline \end{array}$ | $\begin{array}{r} 856 \\ \times 22 \\ \hline \end{array}$ | $\begin{array}{r} 375 \\ \times 49 \\ \hline \end{array}$ |
| 4. | $\begin{array}{r} 838 \\ \times 58 \\ \hline \end{array}$ | $\begin{array}{r} 266 \\ \times 93 \\ \hline \end{array}$ | $\begin{array}{r} 372 \\ \times 46 \\ \hline \end{array}$ | $\begin{array}{r} 659 \\ \times 78 \\ \hline \end{array}$ | $\begin{array}{r} 428 \\ \times 37 \\ \hline \end{array}$ | $\begin{array}{r} 235 \\ \times 86 \\ \hline \end{array}$ |
| 5. | $\begin{array}{r} 907 \\ \times 33 \\ \hline \end{array}$ | $\begin{array}{r} 415 \\ \times 27 \\ \hline \end{array}$ | $\begin{array}{r} 364 \\ \times 82 \\ \hline \end{array}$ | $\begin{array}{r} 547 \\ \times 54 \\ \hline \end{array}$ | $\begin{array}{r} 739 \\ \times 62 \\ \hline \end{array}$ | $\begin{array}{r} 697 \\ \times 76 \\ \hline \end{array}$ |