

# Multiply by Two-Digit Numbers

## Different Ways to Multiply Two-Digit Numbers

$$\begin{array}{r}
 1 \\
 12 \\
 147 \\
 \times 24 \\
 \hline
 588 \\
 + 2940 \\
 \hline
 3,528
 \end{array}$$

$$\begin{aligned}
 147 \times 24 &= 147 \times (20 + 4) \\
 &= (147 \times 20) + (147 \times 4) \\
 &= 2,940 + 588 \\
 &= 3,528
 \end{aligned}$$

Find each product. Estimate or use a calculator to check.

1.  $\begin{array}{r} 65 \\ \times 29 \\ \hline \end{array}$

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2.  $\begin{array}{r} 86 \\ \times 51 \\ \hline \end{array}$

\_\_\_\_\_

3.  $\begin{array}{r} 75 \\ \times 32 \\ \hline \end{array}$

\_\_\_\_\_

4.  $\begin{array}{r} 94 \\ \times 17 \\ \hline \end{array}$

\_\_\_\_\_

5.  $\begin{array}{r} 346 \\ \times 27 \\ \hline \end{array}$

\_\_\_\_\_

6.  $\begin{array}{r} 591 \\ \times 54 \\ \hline \end{array}$

\_\_\_\_\_

7.  $\begin{array}{r} 229 \\ \times 65 \\ \hline \end{array}$

\_\_\_\_\_

8.  $\begin{array}{r} 198 \\ \times 22 \\ \hline \end{array}$

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Use the Distributive Property to rewrite each expression. Then solve.

9.  $35 \times 27$

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10.  $61 \times 19$

\_\_\_\_\_

11.  $214 \times 73$

\_\_\_\_\_

12.  $725 \times 48$

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## Problem Solving

13. A principal ordered 25 computers for her school. Each computer costs \$859. How much did the computers cost?

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**Show Your Work**