

Worksheet

07/29/2020

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Problem quickname: 9523

1)

Calculate the product. Decompose the multiplication problem as you do so.

$$\begin{array}{r} 73 \cdot 8 = ? \\ \hline 3 \cdot 8 = \\ \hline 73 \cdot 8 = \\ \hline \hline \end{array}$$

$$\begin{array}{r} 57 \cdot 6 = ? \\ \hline 7 \cdot 6 = \\ \hline 57 \cdot 6 = \\ \hline \hline \end{array}$$

$$\begin{array}{r} 89 \cdot 3 = ? \\ \hline 80 \cdot 3 = \\ \hline 9 \cdot 3 = \\ \hline 89 \cdot 3 = \\ \hline \hline \end{array}$$

$$\begin{array}{r} 64 \cdot 5 = ? \\ \hline 60 \cdot 5 = \\ \hline 4 \cdot 5 = \\ \hline 64 \cdot 5 = \\ \hline \hline \end{array}$$

$$\begin{array}{r} 253 \cdot 3 = ? \\ \hline 3 \cdot 3 = \\ \hline 3 \cdot 3 = \\ \hline 3 \cdot 3 = \\ \hline 253 \cdot 3 = \\ \hline \hline \end{array}$$

2)

Calculate the product. Decompose the multiplication problem as shown in example a).

$$\begin{array}{r} 221 \cdot 3 = ? \\ \hline 200 \cdot 3 = 600 \\ 20 \cdot 3 = 60 \\ 1 \cdot 3 = 3 \\ \hline 221 \cdot 3 = 663 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 36 \cdot 8 = ? \\ \hline 6 \cdot 8 = \\ \hline 36 \cdot 8 = \\ \hline \hline \end{array}$$

$$\begin{array}{r} 50 \cdot 9 = ? \\ \hline 50 \cdot 9 = \\ \hline 50 \cdot 9 = \\ \hline \hline \end{array}$$

$$\begin{array}{r} 58 \cdot 8 = ? \\ \hline 8 \cdot 8 = \\ \hline 58 \cdot 8 = \\ \hline \hline \end{array}$$

$$\begin{array}{r}
 325 \cdot 3 = ? \\
 \hline
 5 \cdot 3 = \\
 \cdot 3 = \\
 \cdot 3 = \\
 \hline
 325 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 474 \cdot 2 = ? \\
 \hline
 400 \cdot 2 = \\
 70 \cdot 2 = \\
 \cdot 2 = \\
 \hline
 474 \cdot 2 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 128 \cdot 7 = ? \\
 \hline
 8 \cdot 7 = \\
 \cdot 7 = \\
 \cdot 7 = \\
 \hline
 128 \cdot 7 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 52 \cdot 8 = ? \\
 \hline
 50 \cdot 8 = \\
 2 \cdot 8 = \\
 \hline
 52 \cdot 8 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 231 \cdot 3 = ? \\
 \hline
 1 \cdot 3 = \\
 \cdot 3 = \\
 \cdot 3 = \\
 \hline
 231 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 82 \cdot 7 = ? \\
 \hline
 2 \cdot 7 = \\
 \cdot 7 = \\
 \hline
 82 \cdot 7 = \\
 \hline
 \hline
 \end{array}$$

3)

Calculate the product. Decompose the multiplication problem as shown in example a).

$$\begin{array}{r}
 112 \cdot 4 = ? \\
 \hline
 100 \cdot 4 = 400 \\
 10 \cdot 4 = 40 \\
 2 \cdot 4 = 8 \\
 \hline
 112 \cdot 4 = 448 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 123 \cdot 7 = ? \\
 \hline
 3 \cdot 7 = \\
 \cdot 7 = \\
 \cdot 7 = \\
 \hline
 123 \cdot 7 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 164 \cdot 4 = ? \\
 \hline
 4 \cdot 4 = \\
 \cdot 4 = \\
 \cdot 4 = \\
 \hline
 164 \cdot 4 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 40 \cdot 8 = ? \\
 \hline
 40 \cdot 8 = \\
 \hline
 40 \cdot 8 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 373 \cdot 2 = ? \\
 \hline
 300 \cdot 2 = \\
 70 \cdot 2 = \\
 \cdot 2 = \\
 \hline
 373 \cdot 2 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 21 \cdot 7 = ? \\
 \hline
 1 \cdot 7 = \\
 \cdot 7 = \\
 \hline
 21 \cdot 7 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 2 \ 4 \cdot 2 = ? \\
 \hline
 \cdot 2 = \\
 2 = \\
 4 \cdot 2 = \\
 \hline
 1 \ 2 \ 4 \cdot 2 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 3 \ 1 \ 3 \cdot 3 = ? \\
 \hline
 3 \ 0 \ 0 \cdot 3 = \\
 3 = \\
 3 \cdot 3 = \\
 \hline
 3 \ 1 \ 3 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 2 \ 3 \ 3 \cdot 2 = ? \\
 \hline
 \cdot 2 = \\
 2 = \\
 2 = \\
 \hline
 2 \ 3 \ 3 \cdot 2 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 6 \ 5 \cdot 6 = ? \\
 \hline
 6 \ 0 \cdot 6 = \\
 6 = \\
 5 \cdot 6 = \\
 \hline
 6 \ 5 \cdot 6 = \\
 \hline
 \hline
 \end{array}$$

4)

Calculate the product. Decompose the multiplication problem as shown in example a).

$$\begin{array}{r}
 1 \ 2 \ 8 \cdot 5 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 5 = 5 \ 0 \ 0 \\
 2 \ 0 \cdot 5 = 1 \ 0 \ 0 \\
 8 \cdot 5 = 4 \ 0 \\
 \hline
 1 \ 2 \ 8 \cdot 5 = 6 \ 4 \ 0 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 7 \ 4 \cdot 3 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 3 = \\
 7 \ 0 \cdot 3 = \\
 4 \cdot 3 = \\
 \hline
 1 \ 7 \ 4 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 2 \ 5 \cdot 8 = ? \\
 \hline
 2 \ 0 \cdot 8 = \\
 5 \cdot 8 = \\
 \hline
 2 \ 5 \cdot 8 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 6 \ 4 \cdot 5 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 5 = \\
 6 \ 0 \cdot 5 = \\
 4 \cdot 5 = \\
 \hline
 1 \ 6 \ 4 \cdot 5 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 6 \ 6 \cdot 4 = ? \\
 \hline
 6 \ 0 \cdot 4 = \\
 6 \cdot 4 = \\
 \hline
 6 \ 6 \cdot 4 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 6 \ 0 \cdot 5 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 5 = \\
 6 \ 0 \cdot 5 = \\
 \hline
 1 \ 6 \ 0 \cdot 5 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 3 \ 2 \ 7 \cdot 3 = ? \\
 \hline
 3 \ 0 \ 0 \cdot 3 = \\
 2 \ 0 \cdot 3 = \\
 7 \cdot 3 = \\
 \hline
 3 \ 2 \ 7 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 8 \ 1 \cdot 5 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 5 = \\
 8 \ 0 \cdot 5 = \\
 1 \cdot 5 = \\
 \hline
 1 \ 8 \ 1 \cdot 5 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 225 \cdot 3 = ? \\
 \hline
 200 \cdot 3 = \\
 \quad 20 \cdot 3 = \\
 \quad \quad 5 \cdot 3 = \\
 \hline
 225 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 58 \cdot 5 = ? \\
 \hline
 50 \cdot 5 = \\
 \quad 8 \cdot 5 = \\
 \hline
 58 \cdot 5 = \\
 \hline
 \hline
 \end{array}$$

Good Luck!