

Worksheet

07/29/2020

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Problem quickname: 9523

1)

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

a)

$$\begin{array}{r} 155 \cdot 5 = ? \\ \hline 100 \cdot 5 = 500 \\ 50 \cdot 5 = 250 \\ 5 \cdot 5 = 25 \\ \hline 155 \cdot 5 = 775 \end{array}$$

b)

$$\begin{array}{r} 178 \cdot 3 = ? \\ \hline \cdot 3 = \\ \cdot 3 = \\ \cdot 3 = \\ \hline 178 \cdot 3 = \end{array}$$

c)

$$\begin{array}{r} 52 \cdot 7 = ? \\ \hline \cdot 7 = \\ \cdot 7 = \\ \hline 52 \cdot 7 = \end{array}$$

d)

$$\begin{array}{r} 211 \cdot 4 = ? \\ \hline \cdot 4 = \\ \cdot 4 = \\ \cdot 4 = \\ \hline 211 \cdot 4 = \end{array}$$

e)

$$\begin{array}{r} 212 \cdot 3 = ? \\ \hline \cdot 3 = \\ \cdot 3 = \\ \cdot 3 = \\ \hline 212 \cdot 3 = \end{array}$$

f)

$$\begin{array}{r} 56 \cdot 3 = ? \\ \hline \cdot 3 = \\ \cdot 3 = \\ \hline 56 \cdot 3 = \end{array}$$

g)

$$\begin{array}{r} 137 \cdot 2 = ? \\ \hline \cdot 2 = \\ \cdot 2 = \\ \cdot 2 = \\ \hline 137 \cdot 2 = \end{array}$$

h)

$$\begin{array}{r} 137 \cdot 6 = ? \\ \hline \cdot 6 = \\ \cdot 6 = \\ \cdot 6 = \\ \hline 137 \cdot 6 = \end{array}$$

i)

$$\begin{array}{r} 165 \cdot 3 = ? \\ \hline \cdot 3 = \\ \cdot 3 = \\ \cdot 3 = \\ \hline 165 \cdot 3 = \end{array}$$

j)

$$\begin{array}{r} 349 \cdot 2 = ? \\ \hline \cdot 2 = \\ \cdot 2 = \\ \cdot 2 = \\ \hline 349 \cdot 2 = \end{array}$$

2)

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

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

a)

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

b)

$$\begin{array}{r}
 152 \cdot 3 = ? \\
 \hline
 100 \cdot 3 = \\
 50 \cdot 3 = \\
 50 \cdot 3 = \\
 \hline
 152 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

c)

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

d)

$$\begin{array}{r}
 161 \cdot 2 = ? \\
 \hline
 100 \cdot 2 = \\
 60 \cdot 2 = \\
 60 \cdot 2 = \\
 \hline
 161 \cdot 2 = \\
 \hline
 \hline
 \end{array}$$

e)

3)

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

$$\begin{array}{r}
 213 \cdot 3 = ? \\
 \hline
 200 \cdot 3 = 600 \\
 10 \cdot 3 = 30 \\
 3 \cdot 3 = 9 \\
 \hline
 213 \cdot 3 = 639 \\
 \hline
 \hline
 \end{array}$$

a)

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

b)

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

c)

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

d)

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

e)

$$\begin{array}{r}
 137 \cdot 7 = ? \\
 \hline
 \cdot 7 = \\
 30 \cdot 7 = \\
 \cdot 7 = \\
 \hline
 137 \cdot 7 = \\
 \hline
 \hline
 \end{array}$$

f)

$$\begin{array}{r}
 4 \ 5 \ 4 \cdot 2 = ? \\
 \hline
 \cdot 2 = \\
 \cdot 2 = \\
 4 \cdot 2 = \\
 \hline
 4 \ 5 \ 4 \cdot 2 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 2 \ 9 \cdot 6 = ? \\
 \hline
 2 \ 0 \cdot 6 = \\
 \cdot 6 = \\
 2 \ 9 \cdot 6 = \\
 \hline
 \hline
 \end{array}$$

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

$$\begin{array}{r}
 4 \ 9 \ 2 \cdot 2 = ? \\
 \hline
 \cdot 2 = \\
 9 \ 0 \cdot 2 = \\
 \cdot 2 = \\
 4 \ 9 \ 2 \cdot 2 = \\
 \hline
 \hline
 \end{array}$$

4)

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

$$\begin{array}{r}
 2 \ 4 \ 6 \cdot 3 = ? \\
 \hline
 2 \ 0 \ 0 \cdot 3 = 6 \ 0 \ 0 \\
 4 \ 0 \cdot 3 = 1 \ 2 \ 0 \\
 6 \cdot 3 = 1 \ 8 \\
 2 \ 4 \ 6 \cdot 3 = 7 \ 3 \ 8 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 9 \ 2 \cdot 3 = ? \\
 \hline
 \cdot 3 = \\
 \cdot 3 = \\
 \cdot 3 = \\
 1 \ 9 \ 2 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

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

$$\begin{array}{r}
 2 \ 2 \ 7 \cdot 4 = ? \\
 \hline
 2 \ 0 \ 0 \cdot 4 = \\
 2 \ 0 \cdot 4 = \\
 7 \cdot 4 = \\
 2 \ 2 \ 7 \cdot 4 = \\
 \hline
 \hline
 \end{array}$$

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

$$\begin{array}{r}
 1 \ 7 \ 5 \cdot 5 = ? \\
 \hline
 \cdot 5 = \\
 \cdot 5 = \\
 5 \cdot 5 = \\
 1 \ 7 \ 5 \cdot 5 = \\
 \hline
 \hline
 \end{array}$$

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

$$\begin{array}{r}
 2 \ 5 \ 4 \cdot 3 = ? \\
 \hline
 \cdot 3 = \\
 5 \ 0 \cdot 3 = \\
 4 \cdot 3 = \\
 2 \ 5 \ 4 \cdot 3 = \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 78 \cdot 7 = ? \\
 \hline
 70 \cdot 7 = \\
 \hline
 \cdot 7 = \\
 \hline
 78 \cdot 7 = \\
 \hline\hline
 \end{array}$$

i)

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

j)

Good Luck!