

Worksheet

07/29/2020

Free on dw-math.com

Problem quickname: 9523

1)

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

Quick:
9523

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

$$\begin{array}{r}
 178 \cdot 3 = ? \\
 \hline
 100 \cdot 3 = 300 \\
 70 \cdot 3 = 210 \\
 8 \cdot 3 = 24 \\
 \hline
 178 \cdot 3 = 534
 \end{array}$$

$$\begin{array}{r}
 52 \cdot 7 = ? \\
 \hline
 50 \cdot 7 = 350 \\
 2 \cdot 7 = 14 \\
 \hline
 52 \cdot 7 = 364
 \end{array}$$

$$\begin{array}{r}
 211 \cdot 4 = ? \\
 \hline
 200 \cdot 4 = 800 \\
 10 \cdot 4 = 40 \\
 1 \cdot 4 = 4 \\
 \hline
 211 \cdot 4 = 844
 \end{array}$$

$$\begin{array}{r}
 212 \cdot 3 = ? \\
 \hline
 200 \cdot 3 = 600 \\
 10 \cdot 3 = 30 \\
 2 \cdot 3 = 6 \\
 \hline
 212 \cdot 3 = 636
 \end{array}$$

$$\begin{array}{r}
 56 \cdot 3 = ? \\
 \hline
 50 \cdot 3 = 150 \\
 6 \cdot 3 = 18 \\
 \hline
 56 \cdot 3 = 168
 \end{array}$$

$$\begin{array}{r}
 137 \cdot 2 = ? \\
 \hline
 100 \cdot 2 = 200 \\
 30 \cdot 2 = 60 \\
 7 \cdot 2 = 14 \\
 \hline
 137 \cdot 2 = 274
 \end{array}$$

$$\begin{array}{r}
 137 \cdot 6 = ? \\
 \hline
 100 \cdot 6 = 600 \\
 30 \cdot 6 = 180 \\
 7 \cdot 6 = 42 \\
 \hline
 137 \cdot 6 = 822
 \end{array}$$

$$\begin{array}{r}
 165 \cdot 3 = ? \\
 \hline
 100 \cdot 3 = 300 \\
 60 \cdot 3 = 180 \\
 5 \cdot 3 = 15 \\
 \hline
 165 \cdot 3 = 495
 \end{array}$$

$$\begin{array}{r}
 349 \cdot 2 = ? \\
 \hline
 300 \cdot 2 = 600 \\
 40 \cdot 2 = 80 \\
 9 \cdot 2 = 18 \\
 \hline
 349 \cdot 2 = 698
 \end{array}$$

2)

Quick:
9523

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

$$\begin{array}{r}
 231 \cdot 4 = ? \\
 \hline
 200 \cdot 4 = 800 \\
 30 \cdot 4 = 120 \\
 1 \cdot 4 = 4 \\
 \hline
 231 \cdot 4 = 924
 \end{array}$$

a)

$$\begin{array}{r}
 276 \cdot 3 = ? \\
 \hline
 200 \cdot 3 = 600 \\
 70 \cdot 3 = 210 \\
 6 \cdot 3 = 18 \\
 \hline
 276 \cdot 3 = 828
 \end{array}$$

b)

$$\begin{array}{r}
 152 \cdot 3 = ? \\
 \hline
 100 \cdot 3 = 300 \\
 50 \cdot 3 = 150 \\
 2 \cdot 3 = 6 \\
 \hline
 152 \cdot 3 = 456
 \end{array}$$

c)

$$\begin{array}{r}
 47 \cdot 2 = ? \\
 \hline
 40 \cdot 2 = 80 \\
 7 \cdot 2 = 14 \\
 \hline
 47 \cdot 2 = 94
 \end{array}$$

d)

$$\begin{array}{r}
 161 \cdot 2 = ? \\
 \hline
 100 \cdot 2 = 200 \\
 60 \cdot 2 = 120 \\
 1 \cdot 2 = 2 \\
 \hline
 161 \cdot 2 = 322
 \end{array}$$

e)

3)

Quick:
9523

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

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

a)

$$\begin{array}{r}
 85 \cdot 6 = ? \\
 \hline
 80 \cdot 6 = 480 \\
 5 \cdot 6 = 30 \\
 \hline
 85 \cdot 6 = 510
 \end{array}$$

b)

$$\begin{array}{r}
 241 \cdot 3 = ? \\
 \hline
 200 \cdot 3 = 600 \\
 40 \cdot 3 = 120 \\
 1 \cdot 3 = 3 \\
 \hline
 241 \cdot 3 = 723
 \end{array}$$

c)

$$\begin{array}{r}
 280 \cdot 3 = ? \\
 \hline
 200 \cdot 3 = 600 \\
 80 \cdot 3 = 240 \\
 \hline
 280 \cdot 3 = 840
 \end{array}$$

d)

$$\begin{array}{r}
 65 \cdot 5 = ? \\
 \hline
 60 \cdot 5 = 300 \\
 5 \cdot 5 = 25 \\
 \hline
 65 \cdot 5 = 325
 \end{array}$$

e)

$$\begin{array}{r}
 137 \cdot 7 = ? \\
 \hline
 100 \cdot 7 = 700 \\
 30 \cdot 7 = 210 \\
 7 \cdot 7 = 49 \\
 \hline
 137 \cdot 7 = 959
 \end{array}$$

f)

$$\begin{array}{r}
 4 \ 5 \ 4 \cdot 2 = ? \\
 \hline
 4 \ 0 \ 0 \cdot 2 = 8 \ 0 \ 0 \\
 \ 5 \ 0 \cdot 2 = 1 \ 0 \ 0 \\
 \ 4 \cdot 2 = \ 8 \\
 \hline
 4 \ 5 \ 4 \cdot 2 = 9 \ 0 \ 8 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 2 \ 9 \cdot 6 = ? \\
 \hline
 2 \ 0 \cdot 6 = 1 \ 2 \ 0 \\
 \ 9 \cdot 6 = \ 5 \ 4 \\
 \hline
 2 \ 9 \cdot 6 = 1 \ 7 \ 4 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 3 \ 3 \cdot 7 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 7 = 7 \ 0 \ 0 \\
 \ 3 \ 0 \cdot 7 = 2 \ 1 \ 0 \\
 \ 3 \cdot 7 = \ 1 \\
 \hline
 1 \ 3 \ 3 \cdot 7 = 9 \ 3 \ 1 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 4 \ 9 \ 2 \cdot 2 = ? \\
 \hline
 4 \ 0 \ 0 \cdot 2 = 8 \ 0 \ 0 \\
 \ 9 \ 0 \cdot 2 = 1 \ 8 \ 0 \\
 \ 2 \cdot 2 = \ 4 \\
 \hline
 4 \ 9 \ 2 \cdot 2 = 9 \ 8 \ 4 \\
 \hline
 \hline
 \end{array}$$

4)

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

Quick:
9523

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

$$\begin{array}{r}
 1 \ 9 \ 2 \cdot 3 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 3 = 3 \ 0 \ 0 \\
 \ 9 \ 0 \cdot 3 = 2 \ 7 \ 0 \\
 \ 2 \cdot 3 = \ 6 \\
 \hline
 1 \ 9 \ 2 \cdot 3 = 5 \ 7 \ 6 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 5 \ 6 \cdot 2 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 2 = 2 \ 0 \ 0 \\
 \ 5 \ 0 \cdot 2 = 1 \ 0 \ 0 \\
 \ 6 \cdot 2 = \ 2 \\
 \hline
 1 \ 5 \ 6 \cdot 2 = 3 \ 1 \ 2 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 2 \ 2 \ 7 \cdot 4 = ? \\
 \hline
 2 \ 0 \ 0 \cdot 4 = 8 \ 0 \ 0 \\
 \ 2 \ 0 \cdot 4 = \ 8 \ 0 \\
 \ 7 \cdot 4 = \ 2 \ 8 \\
 \hline
 2 \ 2 \ 7 \cdot 4 = 9 \ 0 \ 8 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 2 \ 8 \cdot 4 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 4 = 4 \ 0 \ 0 \\
 \ 2 \ 0 \cdot 4 = \ 8 \ 0 \\
 \ 8 \cdot 4 = \ 3 \ 2 \\
 \hline
 1 \ 2 \ 8 \cdot 4 = 5 \ 1 \ 2 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 7 \ 5 \cdot 5 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 5 = 5 \ 0 \ 0 \\
 \ 7 \ 0 \cdot 5 = 3 \ 5 \ 0 \\
 \ 5 \cdot 5 = \ 2 \ 5 \\
 \hline
 1 \ 7 \ 5 \cdot 5 = 8 \ 7 \ 5 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \ 4 \ 3 \cdot 4 = ? \\
 \hline
 1 \ 0 \ 0 \cdot 4 = 4 \ 0 \ 0 \\
 \ 4 \ 0 \cdot 4 = 1 \ 6 \ 0 \\
 \ 3 \cdot 4 = \ 2 \\
 \hline
 1 \ 4 \ 3 \cdot 4 = 5 \ 7 \ 2 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 2 \ 5 \ 4 \cdot 3 = ? \\
 \hline
 2 \ 0 \ 0 \cdot 3 = 6 \ 0 \ 0 \\
 \ 5 \ 0 \cdot 3 = 1 \ 5 \ 0 \\
 \ 4 \cdot 3 = \ 2 \\
 \hline
 2 \ 5 \ 4 \cdot 3 = 7 \ 6 \ 2 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 78 \cdot 7 = ? \\
 \hline
 70 \cdot 7 = 490 \\
 \text{i) } \quad 8 \cdot 7 = \quad 56 \\
 \hline
 78 \cdot 7 = 546 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 86 \cdot 9 = ? \\
 \hline
 80 \cdot 9 = 720 \\
 \text{j) } \quad 6 \cdot 9 = \quad 54 \\
 \hline
 86 \cdot 9 = 774 \\
 \hline
 \hline
 \end{array}$$

Good Luck!