

Partial Product Multiplication

Example

$$\begin{array}{r} 48 \\ \times 3 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array} = 3 \times 8$$

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$$\begin{array}{r} 48 \\ \times 3 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array} = 3 \times 40$$

$$\begin{array}{r} 48 \\ \times 3 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array} = 3 \times 8$$

$$\begin{array}{r} 48 \\ \times 3 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array} = 3 \times 40$$

$$\begin{array}{r} 48 \\ \times 3 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array} = 3 \times 8$$

$$\begin{array}{r} 48 \\ \times 3 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array} = 3 \times 40$$

$$\begin{array}{r} 48 \\ \times 3 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array} = 144$$

Solve using partial products.

a.

$$\begin{array}{r} 53 \\ \times 3 \\ \hline \square \\ + \square\square\square \\ \hline \end{array}$$

b.

$$\begin{array}{r} 26 \\ \times 7 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array}$$

c.

$$\begin{array}{r} 41 \\ \times 9 \\ \hline \square \\ + \square\square\square \\ \hline \end{array}$$

d.

$$\begin{array}{r} 38 \\ \times 5 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array}$$

e.

$$\begin{array}{r} 17 \\ \times 8 \\ \hline \square\square \\ + \square\square \\ \hline \end{array}$$

f.

$$\begin{array}{r} 62 \\ \times 4 \\ \hline \square \\ + \square\square\square \\ \hline \end{array}$$

g.

$$\begin{array}{r} 95 \\ \times 2 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array}$$

h.

$$\begin{array}{r} 72 \\ \times 6 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array}$$

i.

$$\begin{array}{r} 83 \\ \times 5 \\ \hline \square\square \\ + \square\square\square \\ \hline \end{array}$$

Partial Product Multiplication

Solve using partial products.

a.

$$\begin{array}{r} 53 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 150 \\ \hline 159 \end{array}$$

$9 = 3 \times 3$
 $150 = 3 \times 50$

b.

$$\begin{array}{r} 26 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 140 \\ \hline 182 \end{array}$$

$42 = 7 \times 6$
 $140 = 7 \times 20$

c.

$$\begin{array}{r} 41 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 360 \\ \hline 369 \end{array}$$

$9 = 9 \times 1$
 $360 = 9 \times 40$

d.

$$\begin{array}{r} 38 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 150 \\ \hline 190 \end{array}$$

$40 = 5 \times 8$
 $150 = 5 \times 30$

e.

$$\begin{array}{r} 17 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ + 80 \\ \hline 136 \end{array}$$

$56 = 8 \times 7$
 $80 = 8 \times 10$

f.

$$\begin{array}{r} 62 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 240 \\ \hline 248 \end{array}$$

$8 = 4 \times 2$
 $240 = 4 \times 60$

g.

$$\begin{array}{r} 95 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 180 \\ \hline 190 \end{array}$$

$10 = 2 \times 5$
 $180 = 2 \times 90$

h.

$$\begin{array}{r} 72 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 420 \\ \hline 432 \end{array}$$

$12 = 6 \times 2$
 $420 = 6 \times 70$

i.

$$\begin{array}{r} 83 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 400 \\ \hline 415 \end{array}$$

$15 = 5 \times 3$
 $400 = 5 \times 80$