Grid method multiplication

We have been using the grid method to multiply bigger numbers.

Example 1
Remember to approximate first;

\[39 \times 3 = \text{approximately } 40 \times 3 \text{ which is } 120\]

\[
\begin{array}{c c c}
\times & 30 & 9 \\
3 & 90 & 27 \\
\end{array}
\]

\[= 117\]

Now check by looking back at your approximate answer.

Try these:
1) 42 \times 4  
6) 62 \times 8  
2) 35 \times 3  
7) 54 \times 5  
3) 23 \times 7  
8) 48 \times 6  
4) 46 \times 5  
9) 38 \times 7  
5) 28 \times 4  
10) 65 \times 6
Grid method multiplication

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Example 1
Remember to approximate first;

\[ 39 \times 3 = \text{approximately} \ 40 \times 3 \text{ which is } 120 \]

\[
\begin{array}{c}
\times \\
30 \\
9 \\
\end{array}
\]

\[
\begin{array}{c|c|c}
3 & 90 & 27 \\
\end{array}
\]

\[ = 117 \]

Now check by looking back at your approximate answer.

Try these:
1) 25 \times 8
2) 42 \times 9
3) 43 \times 7
4) 58 \times 4
5) 87 \times 6

Example 2
Remember to approximate first;

\[ 123 \times 6 = \text{approximately} \ 120 \times 5 \text{ which is } 600 \]

\[
\begin{array}{c|c|c|c}
\times \\
100 \\
20 \\
3 \\
\end{array}
\]

\[
\begin{array}{c|c|c|c}
6 & 600 & 120 & 18 \\
\end{array}
\]

\[ = 738 \]

Now check by looking back at your approximate answer.

Try these:
1) 127 \times 4
2) 174 \times 5
3) 223 \times 3
4) 324 \times 6
5) 543 \times 4
Grid method multiplication

We have been using the grid method to multiply bigger numbers.

Example 2
Remember to approximate first;

\[ 123 \times 6 = \text{approximately} \ 120 \times 5 \text{ which is } 600 \]

\[
\begin{array}{c|ccc}
X & 100 & 20 & 3 \\
\hline
6 & \underline{600} & \underline{120} & 18 \\
6 & 600 & 120 & 18 \\
\end{array}
\]

Now check by looking back at your approximate answer.

Try these:
1) 727 \times 4  
2) 474 \times 7  
3) 567 \times 6  
4) 835 \times 6  
5) 672 \times 9  
6) 598 \times 7  
7) 477 \times 8  
8) 582 \times 9  
9) 688 \times 8  
10) 999 \times 4