

Multiplying 2-Digit Numbers (with guides)

MM2 1

Instructions: Multiply these numbers.

Example

The 2 got carried and then was crossed off after it was added to the answer from 4×1 .

This 1 got carried during the addition we did to get the final answer.

$$\begin{array}{r} 1 \\ \cancel{2} \\ 17 \\ \times 24 \\ \hline 68 \\ + 340 \\ \hline 408 \end{array}$$

This 1 got carried from multiplying the second bottom digit. ($2 \times 7 = 14$)

1

$$\begin{array}{r} 23 \\ \times 12 \\ \hline \\ + 0 \\ \hline \end{array}$$

2

$$\begin{array}{r} 12 \\ \times 35 \\ \hline \\ + 0 \\ \hline \end{array}$$

3

$$\begin{array}{r} 18 \\ \times 13 \\ \hline \\ + 0 \\ \hline \end{array}$$

4

$$\begin{array}{r} 42 \\ \times 16 \\ \hline \\ + 0 \\ \hline \end{array}$$

5

$$\begin{array}{r} 47 \\ \times 26 \\ \hline \\ + 0 \\ \hline \end{array}$$

6

$$\begin{array}{r} 42 \\ \times 58 \\ \hline \\ + 0 \\ \hline \end{array}$$

Multiplying 2-digit numbers by 3-digit numbers (with guides)

MM2 2

Instructions: Multiply these numbers.

Example

$$\begin{array}{r}
 \begin{array}{r}
 24 \\
 12 \\
 \hline
 248
 \end{array} \\
 \times 53 \\
 \hline
 1744 \\
 + 12400 \\
 \hline
 13144
 \end{array}$$

Don't forget to cross off the digits you carry from the first answer line after you are finished with them.

1

$$\begin{array}{r}
 186 \\
 \times 43 \\
 \hline
 \\
 + 0 \\
 \hline

 \end{array}$$

2

$$\begin{array}{r}
 507 \\
 \times 83 \\
 \hline
 \\
 + 0 \\
 \hline

 \end{array}$$

3

$$\begin{array}{r}
 612 \\
 \times 37 \\
 \hline
 \\
 + 0 \\
 \hline

 \end{array}$$

4

$$\begin{array}{r}
 429 \\
 \times 35 \\
 \hline
 \\
 + 0 \\
 \hline

 \end{array}$$

5

$$\begin{array}{r}
 722 \\
 \times 56 \\
 \hline
 \\
 + 0 \\
 \hline

 \end{array}$$

6

$$\begin{array}{r}
 365 \\
 \times 24 \\
 \hline
 \\
 + 0 \\
 \hline

 \end{array}$$

Multiplying by a 3-Digit Number (with guides)

MM2 3

Instructions: Multiply these numbers.

Example

$$\begin{array}{r}
 21 \\
 11 \\
 11 \\
 11 \\
 \hline
 653 \\
 \times 432 \\
 \hline
 1306 \\
 19590 \\
 + 261200 \\
 \hline
 282096
 \end{array}$$

Because we have 3 answers, there are 3 sets of carried digits.

Remember, our third answer line needs two zeros so that it's 100 times bigger.

1

$$\begin{array}{r}
 172 \\
 \times 325 \\
 \hline
 00 \\
 000 \\
 + 0000 \\
 \hline
 0000
 \end{array}$$

2

$$\begin{array}{r}
 637 \\
 \times 204 \\
 \hline
 000 \\
 0000 \\
 + 00000 \\
 \hline
 00000
 \end{array}$$

3

$$\begin{array}{r}
 508 \\
 \times 463 \\
 \hline
 000 \\
 0000 \\
 + 00000 \\
 \hline
 00000
 \end{array}$$

4

$$\begin{array}{r}
 1,217 \\
 \times 539 \\
 \hline
 0000 \\
 00000 \\
 + 000000 \\
 \hline
 000000
 \end{array}$$

