

Two-Digit Multiplication

Multiplying a 2-digit number by a 1-digit number may seem difficult at first. However, if you arrange the numbers in columns, you will find how easy these problems really are.

EXAMPLE: $20 \times 2 = ?$



STEP 1

$$\begin{array}{r|l} 10 & 1 \\ \hline & 20 \\ \times & 2 \\ \hline & \end{array}$$

Arrange factors
in columns.

STEP 2

$$\begin{array}{r|l} 10 & 1 \\ \hline & 20 \\ \times & 2 \\ \hline & 0 \end{array}$$

Multiply the 1s
column first.

STEP 3

$$\begin{array}{r|l} 10 & 1 \\ \hline & 20 \\ \times & 2 \\ \hline & 40 \end{array}$$

Multiply the
10s column.

For each problem below, rewrite each problem so that the numbers are in columns. Proceed to multiply the problem and solve. Be sure to show all of your work.

1. 43×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & 43 \\ \times & 2 \\ \hline & 86 \end{array}$$

2. 32×3

$$\begin{array}{r|l} 10 & 1 \\ \hline & 32 \\ \times & 3 \\ \hline & 96 \end{array}$$

3. 11×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & 11 \\ \times & 4 \\ \hline & 44 \end{array}$$

4. 50×1

$$\begin{array}{r|l} 10 & 1 \\ \hline & 50 \\ \times & 1 \\ \hline & 50 \end{array}$$

5. 14×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & 14 \\ \times & 2 \\ \hline & 28 \end{array}$$

6. 62×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & 62 \\ \times & 4 \\ \hline & 248 \end{array}$$

7. 61×7

$$\begin{array}{r|l} 10 & 1 \\ \hline & 61 \\ \times & 7 \\ \hline & 427 \end{array}$$

8. 13×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & 13 \\ \times & 2 \\ \hline & 26 \end{array}$$

9. 15×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & 15 \\ \times & 4 \\ \hline & 60 \end{array}$$