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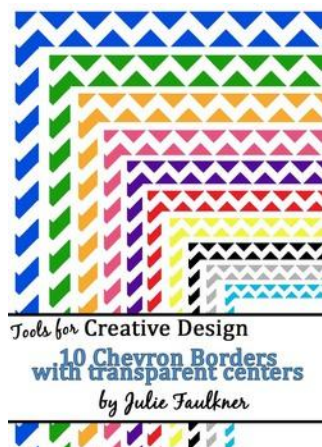
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Partial Products

Step 1

Write out both factors in expanded form.

For this example write the first product in blue and the second in red.

Example:

$$\begin{array}{r} 45 \quad 40 + 5 \\ \times 72 \quad 70 + 2 \\ \hline \end{array}$$

Your Turn:

$$\begin{array}{r} 23 \\ \times 72 \\ \hline \end{array}$$

Step 2

Multiply the first number in the blue expression by the first number in the red expression. Write the answer underneath the problem.

Then multiply the first number in the blue expression by the second number in the red expression. Write the answer underneath the first answer you got.

Example:

$$\begin{array}{r} 45 \quad 40 + 5 \\ \times 72 \quad 70 + 2 \\ \hline 40 \times 70 = 2,800 \\ 40 \times 2 = \quad 800 \end{array}$$

Your Turn:

$$\begin{array}{r} 23 \\ \times 72 \\ \hline \end{array}$$

Step 3

Multiply the second number in the blue expression by the first number in the red expression. Write the answer underneath the previous answers

Then multiply the second number in the blue expression by the second number in the red expression. Write the answer underneath the previous answers.

Example:

$$\begin{array}{r} 45 \quad 40 + 5 \\ \times 72 \quad 70 + 2 \\ \hline 40 \times 70 = 2,800 \\ 40 \times 2 = 800 \\ 5 \times 70 = 350 \\ 5 \times 2 = 10 \end{array}$$

Your Turn:

$$\begin{array}{r} 23 \\ \times 72 \\ \hline \end{array}$$

Step 4

Add up all the answers and this is your product.

Example:

$$\begin{array}{r} 45 \quad 40 + 5 \\ \times 72 \quad 70 + 2 \\ \hline 40 \times 70 = 2,800 \\ 40 \times 2 = 80 \\ 5 \times 70 = 350 \\ 5 \times 2 = 10 \\ \hline 3,240 \end{array}$$

Your Turn:

$$\begin{array}{r} 23 \\ \times 72 \\ \hline \end{array}$$