

Multiplying 2-Digit by 2-Digit Numbers

Find 43×26 .**Step 1:**Multiply by the ones.
Regroup if necessary.**What You Think** 6×3 ones = 18 ones
Regroup 18 ones as 1 ten
and 8 ones. 6×4 tens = 24 tens
 24 tens + 1 ten = 25 tens
Regroup 25 tens as 2 hundreds
and 5 tens.**Step 2:**Multiply by the tens.
Regroup if necessary.**What You Think** 20×3 ones = 60 ones
Regroup 60 ones as 6 tens. 20×4 tens = 80 tens
Regroup 80 tens as 8 hundreds.**Step 3:**

Add the partial products.

What You Think $6 \times 43 = 258$
 $20 \times 43 = 860$ **What You Write**

$$\begin{array}{r} 1 \\ 43 \\ \times 26 \\ \hline 258 \end{array}$$

$$\begin{array}{r} 1 \\ 43 \\ \times 26 \\ \hline 258 \\ 860 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 43 \\ \times 26 \\ \hline 258 \\ + 860 \\ \hline 1,118 \end{array}$$

← partial
← products

Find the product.

1.
$$\begin{array}{r} 38 \\ \times 12 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 64 \\ \times 33 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 49 \\ \times 27 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 85 \\ \times 15 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 26 \\ \times 21 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 73 \\ \times 19 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 57 \\ \times 28 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 91 \\ \times 86 \\ \hline \end{array}$$

9. In the problem 62×45 , what are the partial products?
