

Model 2 - Digit Multiplication

You can use base-ten blocks to model 2-digit multiplication.

Find the product.

Use place value or regrouping.



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

So, $27 \times 3 = 81$.

Multiply the tens



$$\begin{array}{r} 27 \\ \times 3 \\ \hline 81 \end{array}$$

Multiply the ones



$$\begin{array}{r} 27 \\ \times 3 \\ \hline 1 \end{array}$$

Regroup the ones.

21 ones = 2 tens and 1 one.

Examples:

Find the product. Use place value or regrouping.

1) $\begin{array}{r} 16 \\ \times 4 \\ \hline \end{array}$

64

2) $\begin{array}{r} 27 \\ \times 3 \\ \hline \end{array}$

81

3) $\begin{array}{r} 39 \\ \times 2 \\ \hline \end{array}$

78

4) $\begin{array}{r} 24 \\ \times 4 \\ \hline \end{array}$

96

5) $\begin{array}{r} 42 \\ \times 3 \\ \hline \end{array}$

126

6) $\begin{array}{r} 62 \\ \times 2 \\ \hline \end{array}$

124