

Ways to Multiply

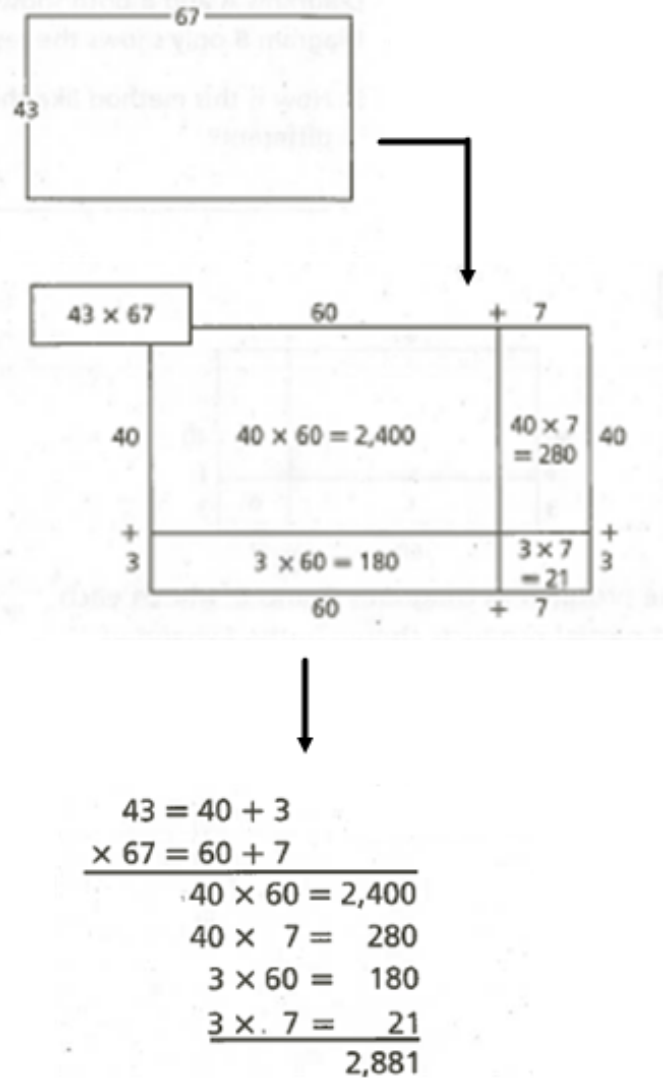
Lesson 3
October __, 2017:

Area Model: using length times width to set up a multiplication problem.

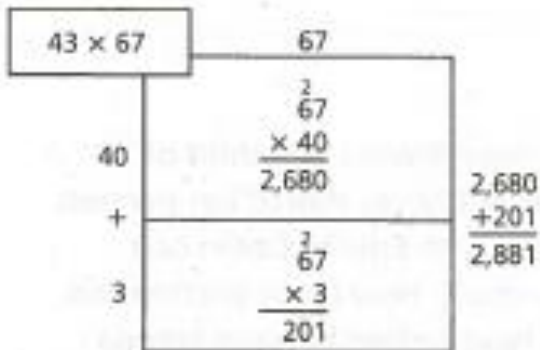
Rectangle Sections: breaking a larger rectangle into smaller sections.

Partial Products: the product of the smaller rectangles that add to the larger rectangle's product.

Expanded Notation: breaking a number into its place value numbers and then using those numbers to find the product.



Rectangle Rows



Short Cut

Multiply by Tens First

$$\begin{array}{r} 2 \\ 2 \\ 67 \\ \times 43 \\ \hline 2,680 \\ 201 \\ \hline 2,881 \end{array}$$

Short Cut

Multiply by Ones First

$$\begin{array}{r} 2 \\ 2 \\ 67 \\ \times 43 \\ \hline 201 \\ 2,680 \\ \hline 2,881 \end{array}$$