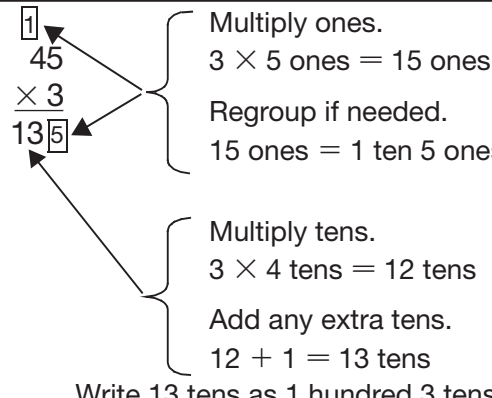


Connecting the Expanded and Standard Algorithms

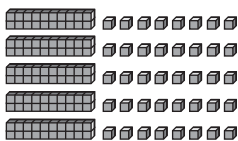
There are different ways to find the product for 3×45 .

Expanded Algorithm	Standard Algorithm
Find the partial products. $\begin{array}{r} 45 \\ \times 3 \\ \hline 15 \\ + 120 \\ \hline 135 \end{array}$	

Solve.

- Draw a Picture** Find 4×35 using the expanded algorithm and then the standard algorithm.
- At his job, Mr. Miller works 7 hours a day, Monday through Friday. How many hours does he work in 2 weeks?

- Think About the Process** Write the multiplication problem that matches the picture below. Then use the standard algorithm to find the product.



- Writing to Explain** Stella used the expanded algorithm to find the product for 9×39 . Her work is shown below. Is she correct? Explain.

$$\begin{array}{r} 39 \\ \times 9 \\ \hline 270 \\ + 81 \\ \hline 351 \end{array}$$
