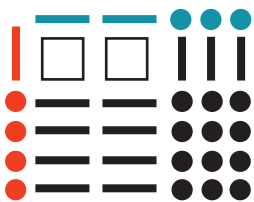

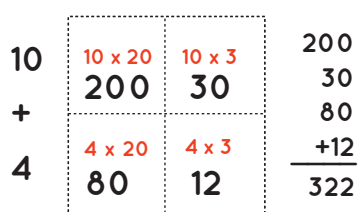
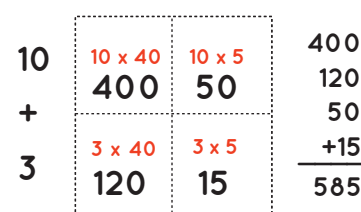


THREE WAYS TO MULTIPLY

Here are three strategies you can use to multiply multi-digit factors.

For each strategy, look at the example problem on the left.

Then, try it on the right!

	23 x 14	45 x 13
BASE TEN ARRAY	● = 1 = 10 □ = 100	45×13
	23×14  $200 + 110 + 12 = 322$ $23 \times 14 = 322$	 $400 + 170 + 15 = 585$ $45 \times 13 = 585$
AREA MODEL	23×14 $(20 + 3) \times (10 + 4)$ $20 + 3$  $23 \times 14 = 322$	45×13 $(40 + 5) \times (10 + 3)$ $40 + 5$  $45 \times 13 = 585$
	PARTIAL PRODUCTS	$\begin{array}{r} 23 \\ \times 14 \\ \hline 12 \text{ } (4 \times 3) \\ 80 \text{ } (4 \times 20) \\ 30 \text{ } (10 \times 3) \\ + 200 \text{ } (10 \times 20) \\ \hline 322 \end{array}$