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
	• = 1	
BASE TEN ARRAY	23 x 14	
	200 + 110 + 12 = 322 23 x 14 = 322	
ADEA	23 x 14 (20 + 3) x (10 + 4)	
AREA	$ \begin{array}{c ccccc} 20 + 3 & & & & & \\ 10 & & & & & & \\ 10 \times 20 & & & & & \\ 200 & & & & & \\ 200 & & & & & \\ 30 & & & & & \\ 4 \times 20 & & & & \\ 4 \times 20 & & & & \\ 80 & & & & & \\ 12 & & & & \\ 23 \times 14 = 322 & & & \\ \end{array} $	
PARTIAL PRODUCTS	23 x 14 12 (4 x 3) 80 (4 x 20) 30 (10 x 3)	
	+ 200 ······ (10 x 20) 322	