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 23 x 14 200 + 110 + 12 = 322 23 x 14 = 322	

AREA MODEL	23 x 14
	 (20 + 3) x (10 + 4)
	
	 20 + 3
	 10 10 x 20 = 200 10 x 3 = 30 200
	 + 30
	 4 4 x 20 = 80 4 x 3 = 12 80
	   +12
	   322
	 23 x 14 = 322	

PARTIAL PRODUCTS	23 x 14 ——— 12 (4 x 3) 80 (4 x 20) 30 (10 x 3) + 200 (10 x 20) ——— 322	