## **Using an Expanded Algorithm**

You can use arrays of place-value blocks to multiply.

Find the product for  $3 \times 14$ .

What You Show		What You Write		
3 × 10 = 30	3 × 4 = 12	14	3 X 4 ones	
30 + 12 = 42		<u> X 3</u>	3 X I tens	
	9 9 9 9 9 9 9 9 9 9 9 9	12		
		+30		
		42		

Draw an array for each problem to find the partial products and the product. Complete the calculation.

7. Number Sense What two simpler problems can you use to find  $9 \times 38$ ? (Hint: think about the tens and ones.)