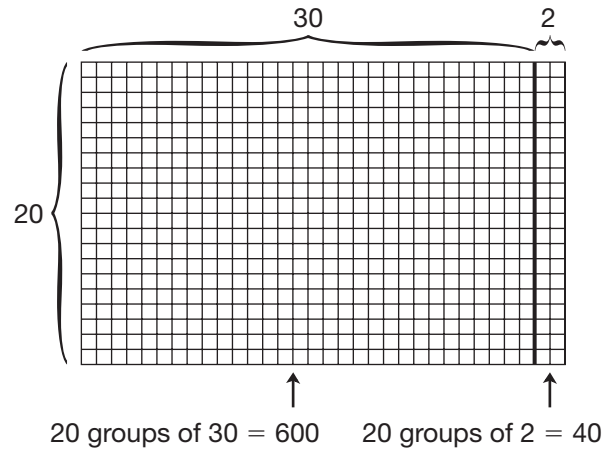


Arrays and Multiplying 2-Digit Numbers by Multiples of 10

You can use an array to find the product of 20×32 .

Think: 20 groups of $30 + 20$ groups of 2
 20 groups of $30 = 600$
 20 groups of $2 = 40$
 $600 + 40 = 640$
 So, $20 \times 32 = 640$.



Find each product.

1. 10×12



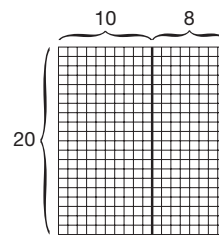
10 groups of 10 = _____

10 groups of 2 = _____

_____ + _____ = _____

So, $10 \times 12 =$ _____.

2. 20×18



20 groups of 10 = _____

20 groups of 8 = _____

_____ + _____ = _____

So, $20 \times 18 =$ _____.

Use models to find each product.

3. 40×16 _____

4. 30×34 _____

5. **Writing to Explain** Describe what an array that shows 70×35 would look like. How many rows would there be? How many items would be in each row?
