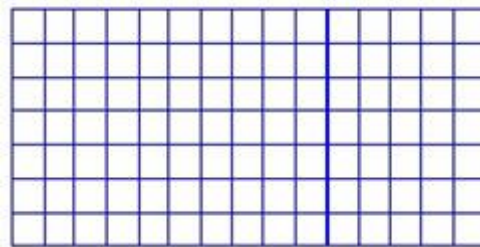# Model 2 – Digit by 1 – Digit Multiplication

You can use arrays to find the product of 1-digit number and a 2-digit number.
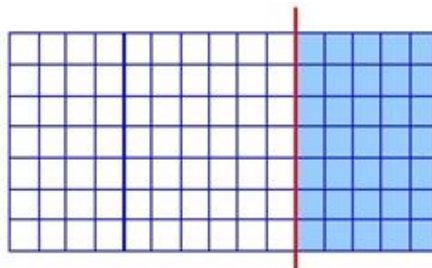
Use grid paper to model the product. Record your answer.

Find the product 7 × 15.

STEP 1: Draw 7 by 15 array

STEP 2: Draw a line after the tenth column to make two rectangles

STEP 3: Find the product of the two smaller arrays.

$$7 \times 10 = 70$$
$$7 \times 5 = 35$$

STEP 4: The sum of the products.

$$70 + 35 = 105$$

So, 7 × 15 = 105.

Example:

Find the product.
1) 16 x 4
        64

2) 21 x 3
        63

3) 32 x 7
        224

4) 19 x 6
        114