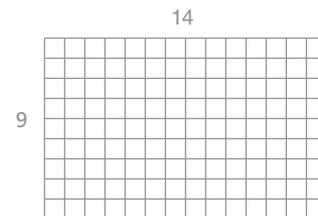


Multiply Using the Distributive Property

You can use rectangular models to multiply 2-digit numbers by 1-digit numbers.

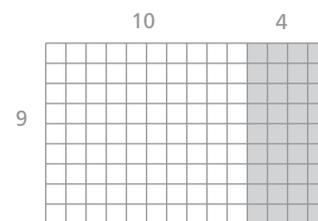
Find 9×14 .

Step 1 Draw a 9 by 14 rectangle on grid paper.



Step 2 Use the Distributive Property and products you know to break apart the model into two smaller rectangles.

Think: $14 = 10 + 4$.



Step 3 Find the product each smaller rectangle represents.

$$9 \times 10 = 90$$

$$9 \times 4 = 36$$

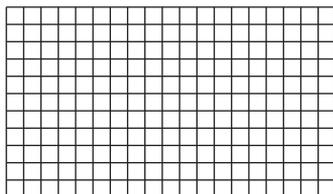
Step 4 Find the sum of the products. $90 + 36 = 126$

So, $9 \times 14 = 126$.

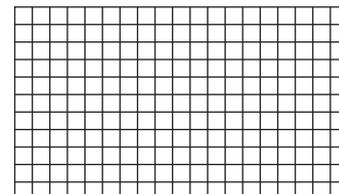
Model the product on the grid.

Record the product.

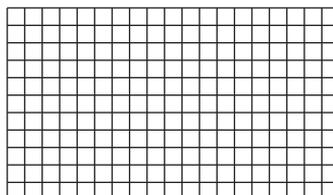
1 3×13



2 6×16



3 5×17



4 4×14

