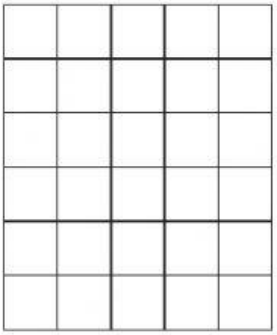
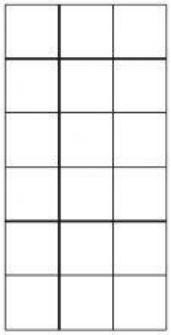
Grade 3 Module 4 Topic C Quiz

Mandy uses square tiles to make the 2 rectangles shown below.

1. Label the side lengths of the 2 rectangles.



Rectangle A



Rectangle B

2. Write equations to find the areas of the rectangles.

Area of Rectangle A: _____ Area of Rectangle B: _____

3. Mandy pushes Rectangle A next to Rectangle B to make a bigger rectangle. What is the area of the bigger rectangle? How do you know?

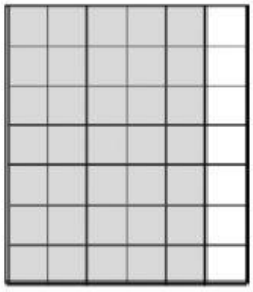
_____

_____

_____

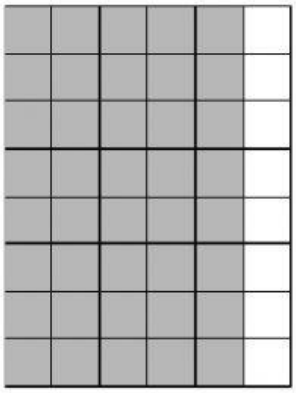
_____

4. This 7 by 6 rectangle has been broken into two smaller rectangles. Explain how this could help solve solve 7 × 6.



LIVEWORKSHEETS

5. Label the side lengths of the shaded and unshaded rectangles. Then, find the total area of the large rectangle by adding the areas of the 2 smaller rectangles.

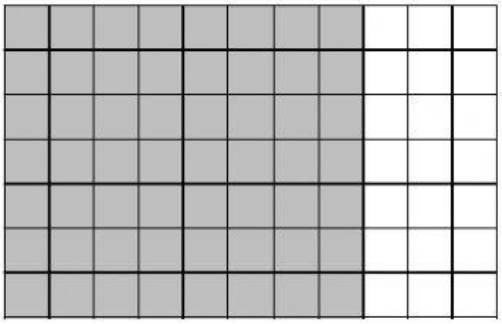


8 × 6 = 8 × (_____+_____)

= (8 × _____) + (8 × _____)

= _____ + _____

= _____ square units



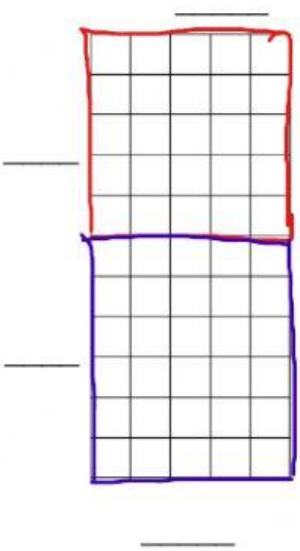
7 × 11 = 7 × (_____+_____)

= (_____ × _____) + (_____ × _____)

= _____ + _____

= _____ square units

6. Break the 11 by 5 rectangle into 2 rectangles by shading one smaller rectangle within it. Then, find the sum of the areas of the 2 smaller rectangles and show how it relates to the total area. Explain your thinking.



11 x 5 = (_____ + _____) x 5

= (_____ x 5) + (_____ x 5)

= _____ + _____

= _____

LIVEWORKSHEETS