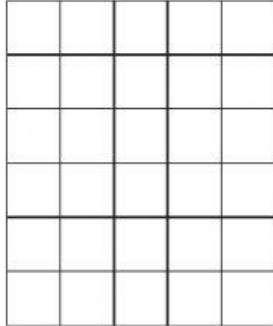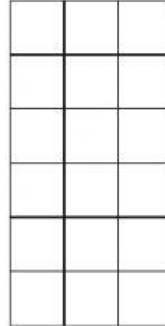# Grade 3 Module 4 Topic C Quiz

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

1. Label the side lengths of the 2 rectangles.
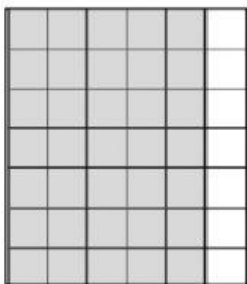
Rectangle A

Rectangle B

2. Write equations to find the areas of the rectangles.
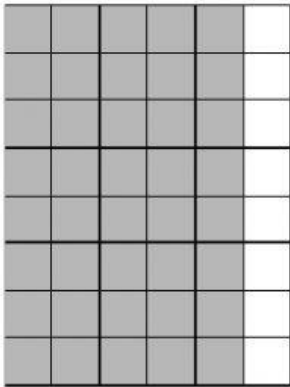
Area of Rectangle A: _____

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?
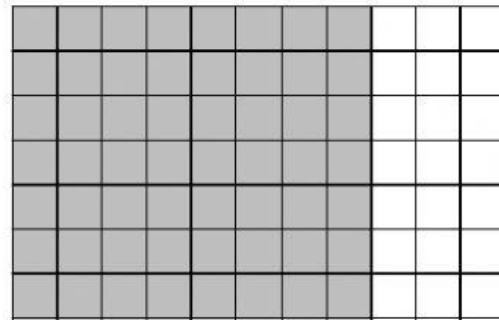
_____

_____

_____

_____

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

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.
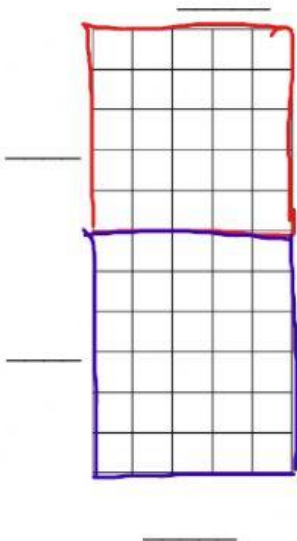

$8 × 6 = 8 × ($_____$+$_____$)$

$\qquad = (8 ×$_____$) + (8 ×$_____$)$

$\qquad =$_____$+$_____

$\qquad =$_____ square units

$7 × 11 = 7 × ($_____$+$_____$)$

$\qquad = ($_____$×$_____$) + ($_____$×$_____$)$

$\qquad =$_____$+$_____

$\qquad =$_____ 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.

$11 × 5 = ($_____$+$_____$) × 5$

$\qquad = ($_____$× 5) + ($_____$× 5)$

$\qquad =$_____$+$_____

$\qquad =$ _____