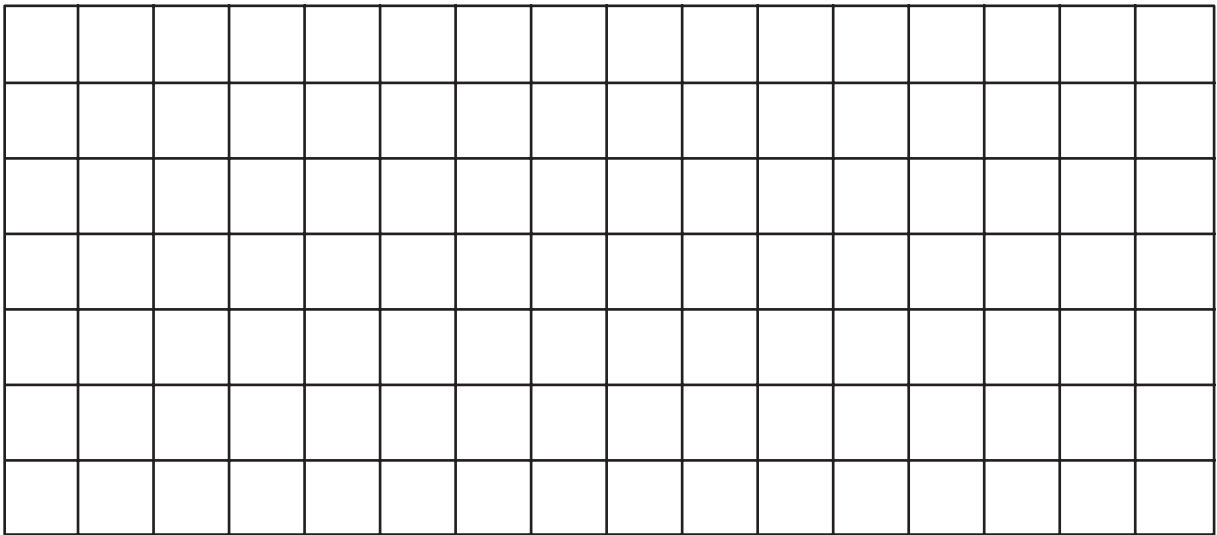


# Finding More Rectangles

## Exploring Prime Numbers

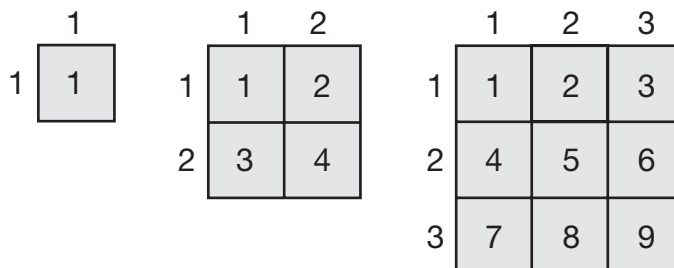
1. Arrange 5 tiles into rectangles in as many ways as you can. Draw your rectangles on the grid below and write a number sentence inside each rectangle.
2. Arrange 7 tiles into rectangles in as many ways as you can. Draw your rectangles on the grid below and write a number sentence inside each rectangle.



3. What is special about the rectangles for 5 and 7?

## Exploring Square Numbers

4. Use your tiles to build squares of different sizes up to at least  $10 \times 10$ . Count the number of tiles on each side and the total number of tiles in each square. Complete the table on the next page.



### Square Numbers

Number on a Side	Number in Square	Multiplication Facts
1	1	$1 \times 1 = 1$
2	4	$2 \times 2 = 4$
3	9	

- 5.** The numbers 1, 4, 9, and so on are called **square numbers**. Enter your facts from Question 4 about square numbers in your *My Multiplication Table*.
- 6. A.** What is special about factors of square numbers?
- B.** Where are the square numbers on the multiplication table?