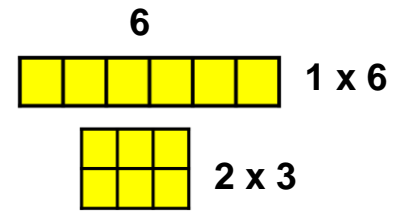


# Prime or Composite?



**Materials:** square tiles, grid paper

1. Work with a partner. Use square tiles to make all possible rectangular arrays for the numbers 2-25. Draw the arrays on grid paper and record the factor pairs.
2. Record your data in a table with the following headings:

Number	Factor Pairs	Factors	Prime or Composite?
2	1 x 2	1, 2	
3			

3. Describe any patterns that you notice in the factors and rectangular arrays.
4. Suppose you were to continue looking at factors of numbers beyond 25. Predict the next two numbers that will have at least 3 factors. Explain your reasoning.