Prime and Composite Numbers

Number	Rectangle arrays	Factors	Number of factors
1			
2			
3			
4			
5			
6	1 x 6 2 x 3	1,2,3,6	4
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Use color tiles to create rectangles. Complete table.

- Which numbers have two and only two factors? What kind of number are these?
- Which numbers have three and only three factors? What will be the next number that has exactly three factors?
- Which numbers have four and only four factors?
- The numbers 8 and 27 have exactly four factors. How do those factors differ from the other numbers that have exactly four factors. Predict the next number of this kind?