## Factor Patterns

## Activity

Caitlin and Ese are finding the factors of numbers.
Make a list of the numbers from 1 to 20 and write all the factors for each number.

2. Caitlin notices that half the factors of 6 are even numbers.

( 2 and 6 are even, and 1 and 3 are odd.)
a. Which numbers in your list have half their factors even?
b. Can you see a pattern in these numbers? Describe it.

b. Describe the pattern the numbers make.
c. What will be the next number in this pattern?
d. What will be the 10th number in this pattern?


Some numbers in the list have an odd number of factors. For example, 1, 2, and 4 are the factors of 4 , so 4 has 3 factors.
a. Which numbers in your list have an odd number of factors?
b. What pattern do these numbers make?

