Factors are the numbers you multiply to get another number.

2 x 3 = 6  
1 x 6 = 6  
What are the factors of 6?  
1, 2, 3, and 6

Prime numbers are the numbers that have only two factors.

1 x 19 = 19  
Because 19 has only two factors, it is a prime number.

Composite numbers are the numbers that have more than two factors.

1 x 10 = 10  
2 x 5 = 10  
What are the factors of 10?  
1, 2, 5, and 10

a. List all of the factors for the number 4.  
___________________________  
Is 4 a prime or composite number?  
___________________________

b. List all of the factors for the number 11.  
___________________________  
Is 11 a prime or composite number?  
___________________________

c. List all of the factors for the number 16.  
___________________________  
Is 16 a prime or composite number?  
___________________________

d. List all of the factors for the number 23.  
___________________________  
Is 23 a prime or composite number?  
___________________________
Prime and Composite

Factors are the numbers you multiply to get another number.

- $2 \times 3 = 6$  
  2 and 3 are factors of 6.
- $1 \times 6 = 6$  
  1 and 6 are also factors of 6.

What are the factors of 6?  
1, 2, 3, and 6

Prime numbers are the numbers that have only two factors.

- $1 \times 19 = 19$  
  1 and 19 are the only factors of 19.
Because 19 has only two factors, it is a prime number.

Composite numbers are the numbers that have more than two factors.

- $1 \times 10 = 10$  
  1 and 10 are factors of 10.
- $2 \times 5 = 10$  
  2 and 5 are also factors of 10.
What are the factors of 10?  
1, 2, 5, and 10

Because 10 has more than two factors, it is a composite number.

a. List all of the factors for the number 4.  
1, 2, and 4
Is 4 a prime or composite number?  
composite

b. List all of the factors for the number 11.  
1 and 11
Is 11 a prime or composite number?  
prime

c. List all of the factors for the number 16.  
1, 2, 4, 8, and 16
Is 16 a prime or composite number?  
composite

d. List all of the factors for the number 23.  
1 and 23
Is 23 a prime or composite number?  
prime