

Name: \_\_\_\_\_

# 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

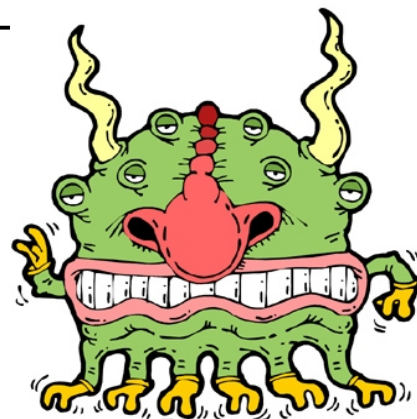
**Prime numbers** are the numbers that have only two factors.

$1 \times 19 = 19$     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.

$1 \times 10 =$   
 $2 \times 5 =$

What c  
Beacu



**PREVIEW**  
Please log in or register to download the printable version of this worksheet.

- 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? \_\_\_\_\_

# ANSWER KEY

## Prime and Composite

**Factors** are the numbers you multiply to get another number.

$$2 \times 3 = 6 \quad 2 \text{ and } 3 \text{ are factors of } 6.$$

$$1 \times 6 = 6 \quad 1 \text{ and } 6 \text{ are also factors of } 6.$$

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

**Prime numbers** are the numbers that have only two factors.

$$1 \times 19 = 19 \quad 1 \text{ and } 19 \text{ are the only factors of } 19.$$

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

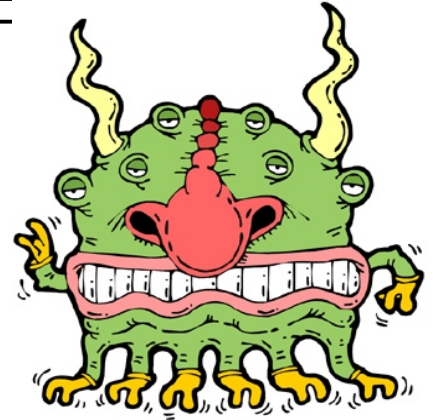
**Composite numbers** are the numbers that have more than two factors.

$$1 \times 10 =$$

$$2 \times 5 =$$

What c

Beacu



# ~ PREVIEW ~

Please log in or register to download  
the printable version of this worksheet.

- 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