Factors are whole numbers you can multiply to get a specific whole number.

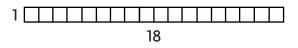
To find factors of 18, think of all the multiplication facts with a product of 18.

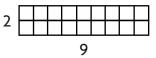
$$1 \times 18 = 18$$

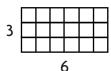
$$2 \times 9 = 18$$
  $3 \times 6 = 18$ 

$$3 \times 6 = 18$$

You can draw arrays to show the factors of any whole number.





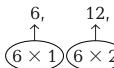


List the factors in order from least to greatest.

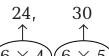
Factors of 18: 1, 2, 3, 6, 9, 18.

Multiples of a number are the products of that number and any whole number. To find multiples of a number, multiply the number by the counting numbers 1, 2, 3, and so on.

Multiples of 6:



18,



Use an array to find the factors of each product.

1. 12

Think: 
$$1 \times 12 = 12$$
 Think:  $2 \times 6 = 12$ 

Think: 
$$2 \times 6 = 12$$

Think: 
$$3 \times 4 = 12$$

Think: 
$$1 \times _{--} = 16$$

Think: 
$$\longrightarrow \times 8 = 16$$

Think: 
$$1 \times \underline{\hspace{1cm}} = 16$$
 Think:  $\underline{\hspace{1cm}} \times 8 = 16$  Think:  $\underline{\hspace{1cm}} \times 4 = 16$ 

List the next 2 multiples of each number.

Factors are whole numbers you can multiply to get a specific whole number.

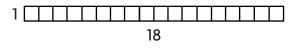
To find factors of 18, think of all the multiplication facts with a product of 18.

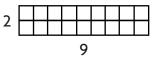
$$1 \times 18 = 18$$

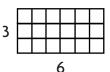
$$2 \times 9 = 18$$

$$2 \times 9 = 18$$
  $3 \times 6 = 18$ 

You can draw arrays to show the factors of any whole number.







List the factors in order from least to greatest.

Factors of 18: 1, 2, 3, 6, 9, 18.

Multiples of a number are the products of that number and any whole number. To find multiples of a number, multiply the number by the counting numbers 1, 2, 3, and so on.

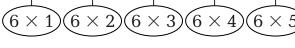
Multiples of 6:



12.



30



18,

Use an array to find the factors of each product.

1. 12

Think:  $1 \times 12 = 12$ 

Think:  $2 \times 6 = 12$ 

Think:  $3 \times 4 = 12$ 

Check students' drawings.

**2.** 16 \_\_\_\_\_

1, 2, 4, 8, 16

Think:  $1 \times _{16} = 16$ 

Think:  $2 \times 8 = 16$  Think:  $4 \times 4 = 16$ 

Check students' drawings.

List the next 2 multiples of each number.

Use arrays to find the factors of each number.

Find the first 6 multiples of each number.

Find the missing multiple.

#### **Mixed Review**

17. 12 18. 18 19. 24 
$$\times$$
 6  $\times$  4

20. 11 
$$\times$$
 11

**22.** 
$$105 \div 5 =$$

**21.** 
$$264 \div 2 =$$
 \_\_\_\_\_ **22.**  $105 \div 5 =$  \_\_\_\_\_ **23.**  $144 \div 9 =$  \_\_\_\_\_

**26.** \$3.50 **27.** \$2.25 
$$\times$$
 3  $\times$  4

Use arrays to find the factors of each number.

Find the first 6 multiples of each number.

Find the missing multiple.

#### **Mixed Review**

16. 
$$16$$
  $\times 7$  112

17. 
$$12 \times 6 \over 72$$

17. 12 18. 18 19. 24 
$$\times 6$$
  $\times 6$   $\times 4$  96

20. 11 
$$\times 11$$
 121

**21.** 
$$264 \div 2 =$$
**132**

**22.** 
$$105 \div 5 =$$
 **21**

**21.** 
$$264 \div 2 = 132$$
 **22.**  $105 \div 5 = 21$  **23.**  $144 \div 9 = 16$