

Factors and Products

Factors are whole numbers that multiply together to make a **product**.

Factor Factor
 $2 \cdot 3 = 6$ ← Product

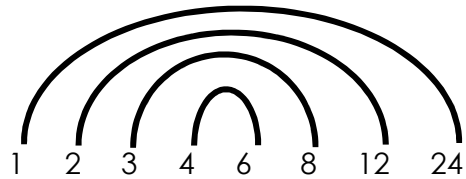


Products are answers you get when you multiply **factors**.

Example:

Find the factors of 24.

Use a factor rainbow.



Use a factor table.

24	
1	24
2	12
3	8
4	6

The factors of 24 are: 1, 2, 3, 4, 6, 8, 12 and 24

You Try:

Find all of the factors of the following numbers.

- 1) 18 2) 60 3) 45

- 4) 120 5) 19 6) 39

Multiples

Multiples are the product of a number and any whole number.

Example: Find the first 10 multiples of the number 2.

2: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

2: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

You Try:

Find the first 6 multiples of the following numbers.

- 1) 7 2) 8 3) 5

- 4) 12 5) 20 6) 31

Extra Practice with Factors and Multiples

Find all of the factors of each number and the first 6 multiples.

1) 11

Factors: _____

Multiples: _____

2) 48

Factors: _____

Multiples: _____