Name	
Date	Period

## Variation

how variables are related to one another.

## **Direct Variation**

then,

$$y = k \cdot x$$

## **Inverse Variation**

if x and y are directly proportional if x and y are inversely proportional

then, 
$$y = \frac{k}{x}$$

*k* is called the constant of variation

The variables *x* and *y* are *directly proportional* with one another. if y = 24 when x = 6, find y when x = 4 and when x = 12.

The variables x and y are *inversely proportional* with one another. if y = 4 when x = 6, find y when x = 2 and when x = 24.