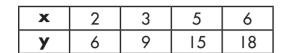
Lesson 4.3 Constants of Proportionality

A unit rate can also be called a **constant of proportionality**. The constant of proportionality describes the rate at which variables in an equation change.



Step I: Set up an equation in which the constant (k) is equal to $y \div x$.

Step 2: Check the equation across multiple points to verify the constant.

Step 3:
$$6 \div 2 = 3$$
; $9 \div 3 = 3$; $15 \div 5 = 3$; $k = 3$

Find the constant of proportionality for each set of values.

C

 X
 I
 2
 3
 8

 Y
 I.5
 3
 4.5
 I2

b

Х	0.4	0.8	1.4	1.8
У	2	4	7	9

$$k =$$

	Х	4.5	6	10.5	12
ĺ	у	7.5	10	17.5	20

$$k =$$