Rate of Change and Slope



<u>Ratio</u>: A way to compare two values. In math, usually ratios are fractions.

<u>Slope</u>: The ratio of the change in your y-value and the change in your x-value.



 Δ — This is the delta symbol. It means change.

So, slope is $\frac{\text{the change in y}}{\text{the change in x}}$

You can find the slope by figuring out how much the x and y values changed.

There are 4 kinds of slope:





Slope from Tables

Slope

6. Find the rate of change from the tables below

a.	Amount of Flour x (cups)	Pancakes y	
2 (2	12)
	4	24	Κ
	6	36)

$$\frac{3Y}{X} = \frac{12}{2} = 6$$

2

12







