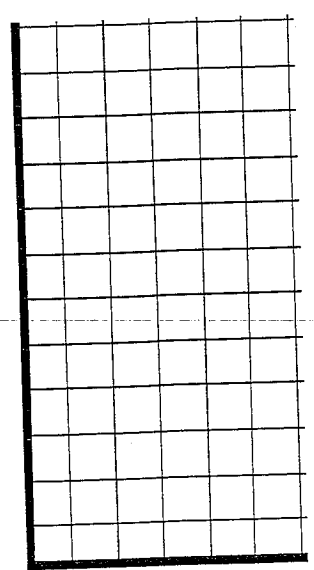# Slope – Guided Notes

- Data that increases or decreases at a constant rate forms a relationship which is said to

  be _____.

- That constant rate is called the _____.

- The slope describes the _____ of a line.

- The steeper the line, the _____ the slope.

- The slope is another way to express the _____, or a rate when one
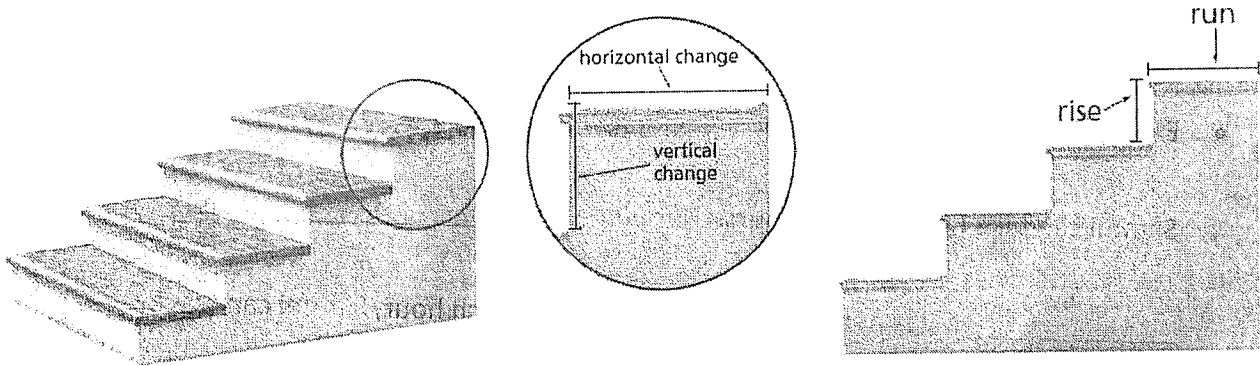
  of the quantities is being compared to 1.

- **Example**

  Sammi can bike 60 miles in 4 hours. Her unit rate, or _____, is

  _____ miles per 1 hour. This tells us that each hour, Sammi can travel

  _____ miles.

Time (hr)	Distance (miles)
0	
1	
2	
3	
4	

- Finding the steepness of _____ is the same as finding the steepness of

  a _____.

- A _____ drawn from the bottom step of a set of stairs to the top step

  touches each step at one _____.

- The _____ and _____ of a step are the

  _____ and the _____ changes between two

  points on the line.

horizontal change

vertical
change

run

rise

So, to find the slope of a line...

Slope =   or

✓ A line that is increasing has a _____ slope.

✓ A line that is decreasing has a _____ slope.

✓ A line that is flat from left to right has a slope of _____.

✓ A line that is straight up and down has _____ slope.