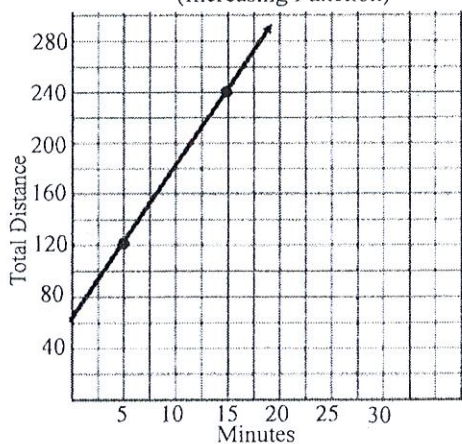


Rate of Change from a Graph

Rate of change is shown by $\frac{\Delta y}{\Delta x}$ which means the change in y over the change in x, or the change in y DIVIDED by x.

Examples:

(Increasing Function)

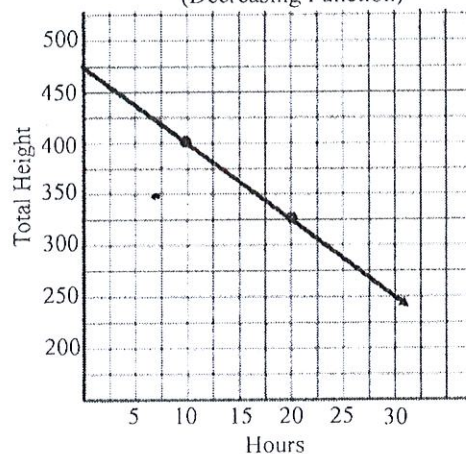


x	y
5	120
15	240

$$\frac{\Delta y}{\Delta x} = \frac{120}{10}$$

Rate of Change (slope): 12

(Decreasing Function)



x	y
10	400
20	325

$$\frac{\Delta y}{\Delta x} = \frac{-75}{10}$$

Rate of Change (slope): -7.5