

## Main Ideas

Here are the main points that are addressed in the video. Please read these and think about them as you watch.

- These videos focus on the concept of constant rate of change between two variables.
- A constant rate of change between  $x$  and  $y$  means that, for any fixed amount of change  $\Delta x$ , the corresponding amounts of change  $\Delta y$  are constant.
- If  $x$  and  $y$  represent the measures of two quantities, and  $y$  varies at a constant rate of  $\frac{\Delta y}{\Delta x}$  with respect to  $x$ , then the change in  $y$  is always  $\frac{\Delta y}{\Delta x}$  as much as the corresponding change in  $x$ .