

## The table shows the total distance a car travelled

## over various time interval

## Time (h) Distance (km)

| 1 | 68 |
| :---: | :---: |
| 2.5 | 170 |
| 3 | 204 |
| 4.5 | 306 |
| 5 | 340 |



km
The car is speeding in a
400

## 300

$\begin{array}{r}300 \\ 200 \\ \hline\end{array}$

km

## The car is speeding in a

 rate of $68 \mathrm{~km} / \mathrm{h}$300
400 200 3 . . -


## Rate of change

 change in $y$$=$ change in $x$

300

## Change in $y$

## Change in $x$

|  | 1 |  | 2 |  |
| :--- | :--- | :--- | :--- | :--- |

$\begin{array}{l:l}4 & 5\end{array}$
y lollobloy
km
Rate of change

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

$\Delta y$
100

$\Delta x$
4
5

## दरुQ volps ey <br> H Cow $h$




## Slope of a line Measures its steepness




Negative Slope

## Positive Slope



