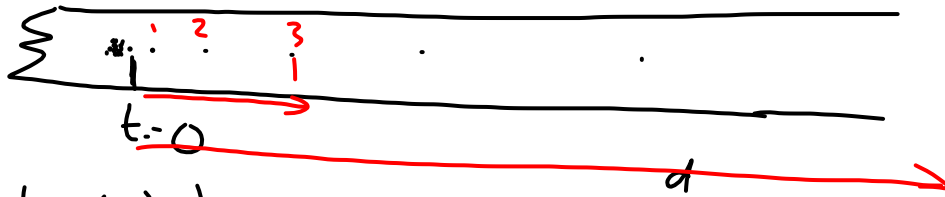


# Acceleration Due to Gravity Lab



$t$ (s)	$d$ (m)	$v$ (m/s)
0	0	-
0.05		.
0.10		
0.15		

If  $\vec{a}$  is constant  
 the average velocity  
 for a time interval is the  
 same as the instantaneous  
 velocity in the middle of that  
 interval.

Table

sample calc. of  $v$

Due  
?

$v-t$  graph

slope =  $a$

$$\% \text{ difference} = \frac{\text{difference}}{\text{actual value}} \times 100\%$$

Error Analysis