

Velocity vs Time Graphing Activity

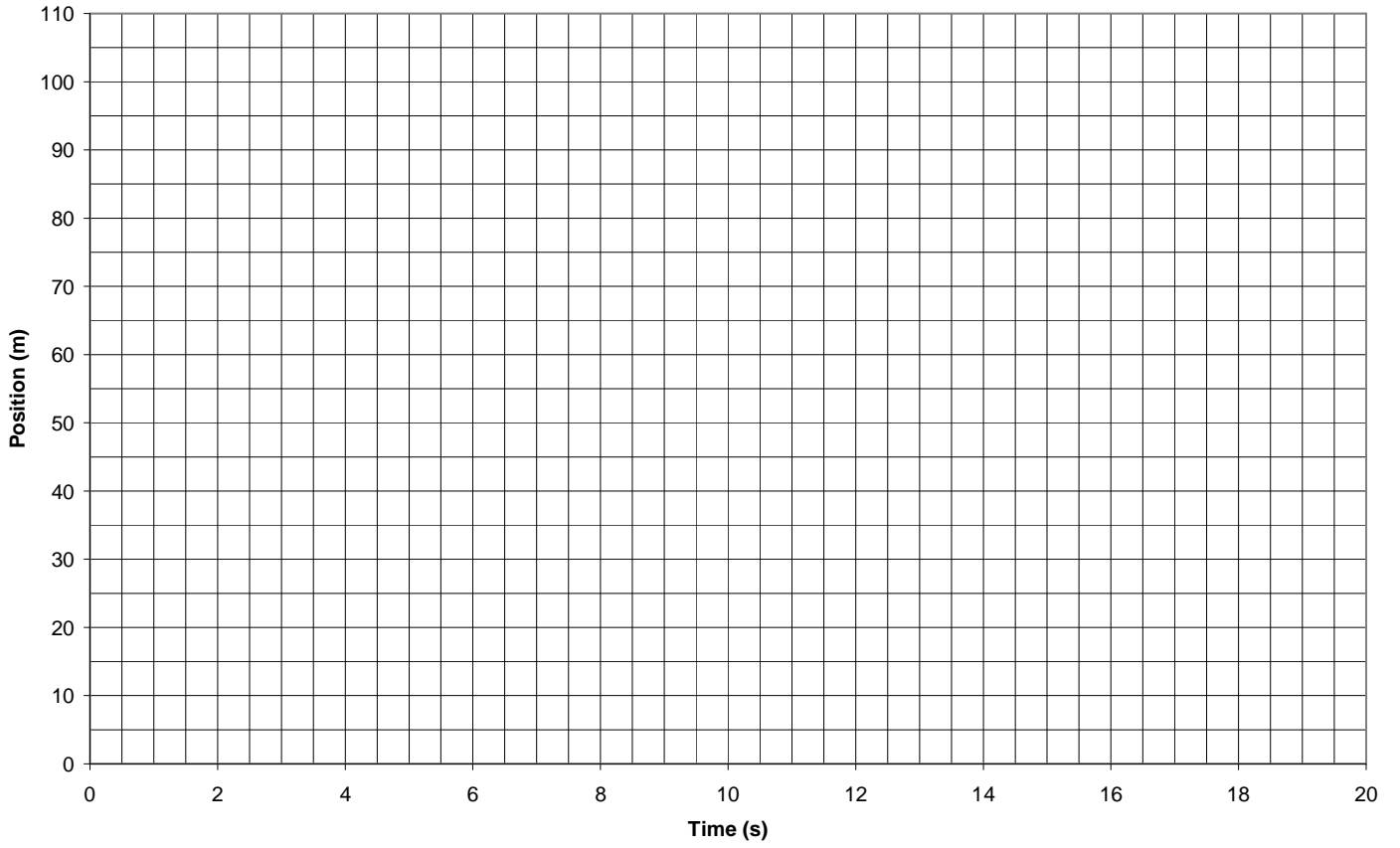
Table 1

Time (s)	Time Interval () (s)	Position (m)	Displacement () (m)	Velocity () (m/s)
0	0	0	0	0
2s	$2s-0s = \mathbf{2s}$	2m	$2m-0m = \mathbf{2m}$	$2m/2s = \mathbf{1m/s}$
4s	$4s-2s = \mathbf{2s}$	6m	$6m-2m = \mathbf{4m}$	
6s		12m		
8s		20m		
10s		30m		
12s		42m		
14s		56m		
16s		72m		
18s		90m		
20s		110m		

Procedure:

1. Draw and Label a Position vs Time Graph
 - a. Draw a best-fit curve
2. Draw and Label a Velocity vs Time Graph
 - a. Draw a best fit line
 - b. Calculate the slope of the best-fit line

Position vs Time



Velocity vs Time

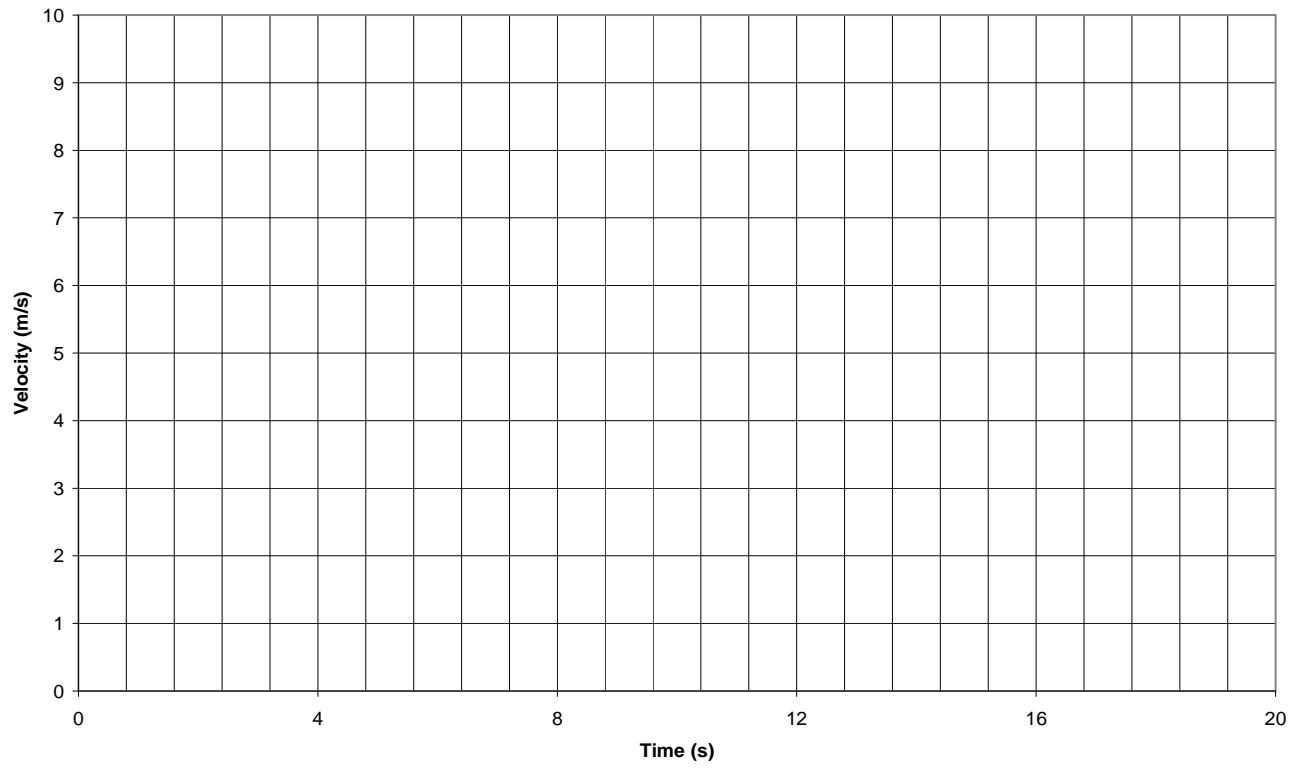


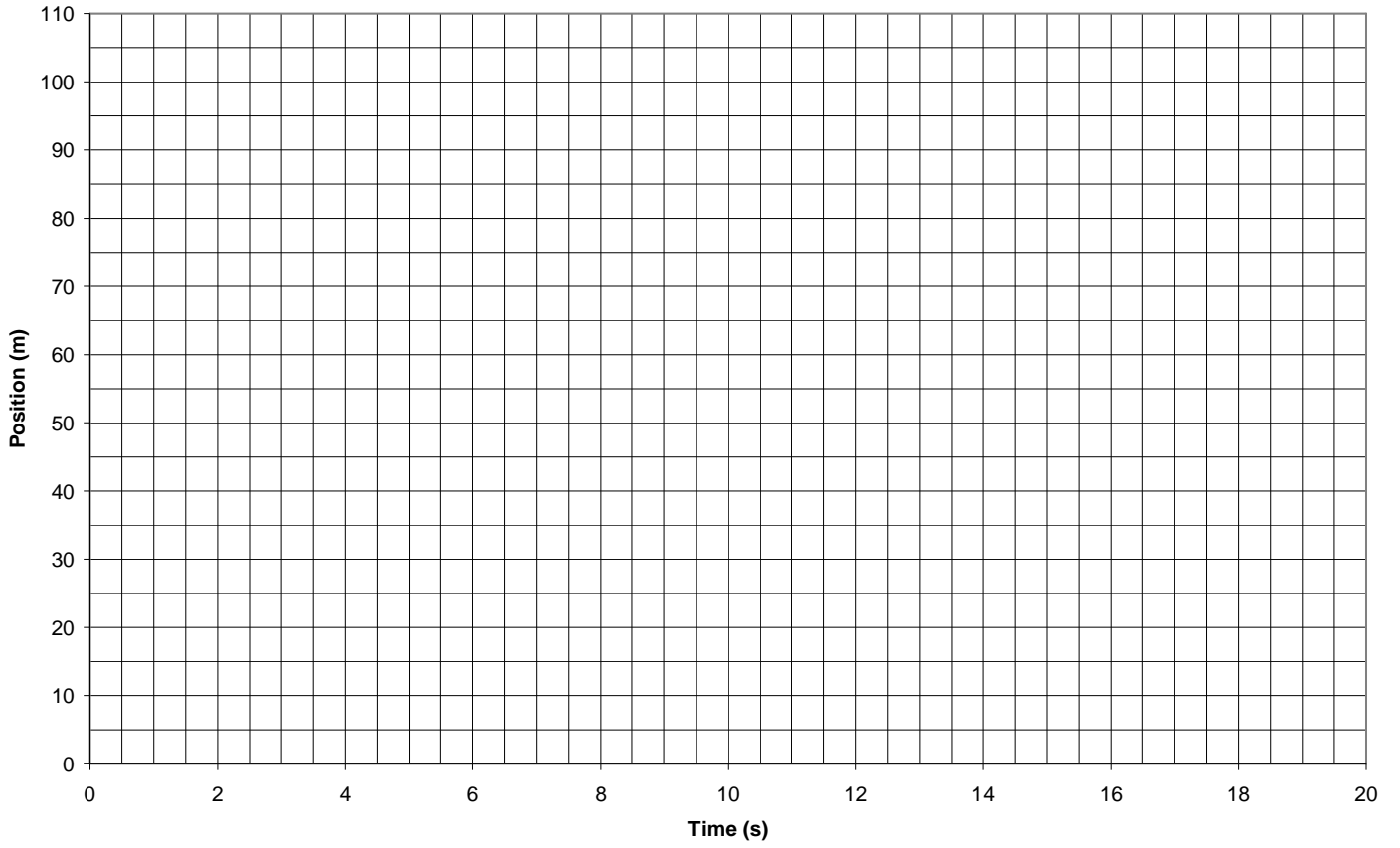
Table 2

Time (s)	Time Interval () (s)	Position (m)	Displacement () (m)	Velocity () (m/s)
0		0m		
2s		20m		
4s		38m		
6s		54m		
8s		68m		
10s		80m		
12s		90m		
14s		98m		
16s		104m		
18s		108m		
20s		110m		

Procedure:

1. Draw and Label a Position vs Time Graph
 - a. Draw a best-fit curve
2. Draw and Label a Velocity vs Time Graph
 - a. Draw a best fit line
 - b. Calculate the slope of the best-fit line

Position vs Time



Velocity vs Time

