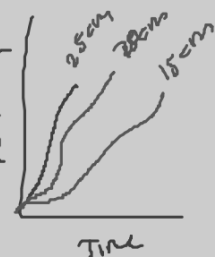


Finish your diagram and make a data table.

Dot #	Time (t) seconds			Position (x) cm		
	25cm	20cm	15cm	25cm	20cm	15cm
0	0	0	0	0	0	0
1	.5	.5	.5	18.5	13	19
2	1	1	1	53.3	59.5	50.5
3	1.5	1.5	1.5	114	146.5	81.5
4	2	2	2	171	181	95.5
5	2.5	2.5	2.5			104
6	3	3	3			153
7	3.5	3.5	3.5			166
8	4					200



I can make and interpret a time V position graph

You are going to make a time V position graph to show the distance between the dots.

While you wait

1. Visit the Physics classroom and learn more (use a netbook at your table).
2. Read p. 32-40 in the green book

<http://www.physicsclassroom.com/media/kinema/acceln.cfm>



I can make and interpret a time V position graph

Analyse the graph;

1. Is the speed of the rolling car constant or does it change as it moves down the ramp?
2. Explain how you know.
3. Is the speed faster or slower at the start of a run?
Explain how you know.
4. Where in the journey is the speed greatest?

Answer these questions on the back of your graph and turn in to the folder.



I can make and interpret a time V position graph

