

Type of motion:
Constant speed

Position	Trial 1Time (s)	Trial 2Time (s)	Trial 3Time (s)
20 cm	1.08	1.09	1.59
40 cm	1.31	2.00	2.47
60 cm	2.31	2.37	2.75
80 cm	2.75	2.69	3.13
100 cm	3.10	2.53	3.44

Sep 10-7:33 AM

Type of motion:
Speeding up

Position	Trial 1Time (s)	Trial 2Time (s)	Trial 3Time (s)
20 cm	1.66	1.50	1.50
40 cm	1.71	2.53	2.31
60 cm	2.97	3.13	2.72
80 cm	3.41	3.50	3.37
100 cm	3.84	4.15	3.71

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Type of motion:
Slowing down

Position	Trial 1 Time (s)	Trial 2 Time (s)	Trial 3 Time (s)
20 cm	2.09	2.85	2.72
40 cm	2.43	3.16	2.82
60 cm	2.69	3.50	3.18
80 cm	2.89	3.91	3.63
100 cm	3.46	4.62	4.16

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HW

1. Graph position vs. time for all 3 cases on separate sheets. Choose only one trial for each case - the one you think has the best data.
2. Draw best fit line for each graph.
3. Calculate slope of the best fit line, if applicable/possible.

Sep 10-8:33 AM