

#5 The custodian empties the garbage cans in the hallway and it takes her 10 mins. The hallway is 100 m long up and down



To do the rest of the garbage cans she has to walk 500m total.

1. How fast does the custodian empty cans? .
2. How long does it take her to empty cans from the whole school?



Do your responses on the GOOS paper and turn in to the folder.

NAME



I can analyse data to describe the speeds of moving objects on an inclined plane.



Ramp and Car investigation

Question

Hypothesis

Variables

MV- Height of an inclined plane

RV- Speed of the car

CV- distance of 200 cm

Materials

Car

Inclined plane

Timer

Measuring tape

Masking tape

meter stick

Stand



Figure 1



I can plan an investigation to compare speeds of moving objects

Procedures



Figure 1

things to consider:

- Conditions of mv. 10cm, 20cm 30cm 40cm
- Reference point.
- How to mark heights
- How to measure 200cm
- Timer? what are you recording.



I can run accurate trials

Diagram

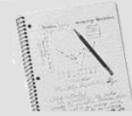


Figure 1



I can run accurate trials

Data Table



Trial Time (sec)	Height of inclined plane (cm)		
	20cm	25cm	30cm
1			
2			
3			
4			
5			
Average time (sec)			

← 2 decimal places

Speed

$$S = \frac{d}{t}$$

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← whole #
cm/sec



I can run accurate trials.

02/01

Speed Investigation

#4



Figure 1



Click the link to watch the trials



I can run accurate trials

graph

speed of car (cm/sec)

write the conclusion
on the back and turn
in to the folder cross
off your name

10
5
0

Height of inclined plane (cm)

XL

I can run accurate trials

