#4 The teacher decided to track the movements of her students. One student arrived in class 45 seconds after leaving math which is 90 meters away.

The student went on to the exploratory class 500m away at the same speed.

Figure 1

1. How fast did the student travel to the first class?.
2. How long did it take the student to get to the exploratory class?

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

$S = \frac{90m}{45 sec}$

$S = 2 m/sec$

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

$\frac{2}{1} = \frac{500m}{x\ t}$

$2x = 500$

$x = 250$ seconds

LEARNING TARGETS

I can plan an investigation to compare speeds of moving objects

#4 The teacher decided to track the movements of her students. One student arrived in class 45 seconds after leaving math which is 90 meters away.

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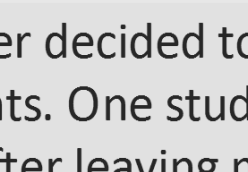

Figure 1

1. How fast did the student travel?.
2. How long did it take the student to get to the exploratory class?

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

$S = \frac{90m}{45sec.}$

$S = 2m\backslash sec.$

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

$t = \frac{500m}{2m/s}$

$t = 250$ seconds

LEARNING TARGETS

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#4 The teacher decided to track the movements of her students. One student arrived in class 45 seconds after leaving math which is 90 meters away.

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Figure 1

1. How fast did the student travel to the first class?.
2. How long did it take the student to get to the exploratory class?

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

$S = \frac{90m}{45sec}$ $t = \frac{500m}{2m/sec}$

$S = 2m/sec$ $t = 250sec$

LEARNING TARGETS

I can plan an investigation to compare speeds of moving objects

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.

LEARNING TARGETS

I can run accurate trials

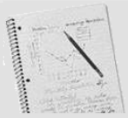
Diagram

Figure 1

LEARNING TARGETS

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

← whole # cm | sec

LEARNING TARGETS

I can run accurate trials.

01/31 Speed Investigation #4

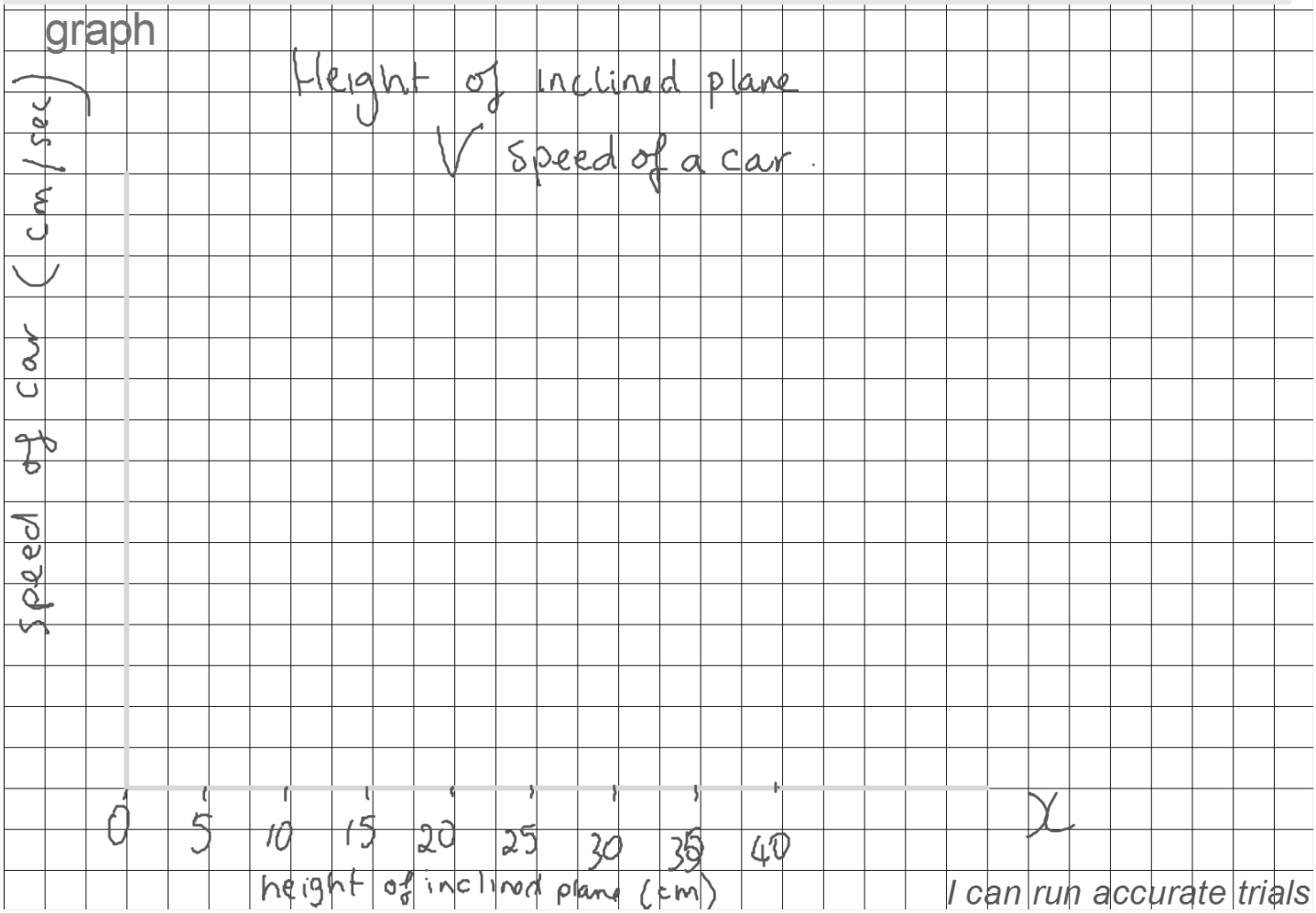
Figure 1

LEARNING TARGETS

I can run accurate trials

graph

Height of inclined plane
V
speed of a car.



I can run accurate trials