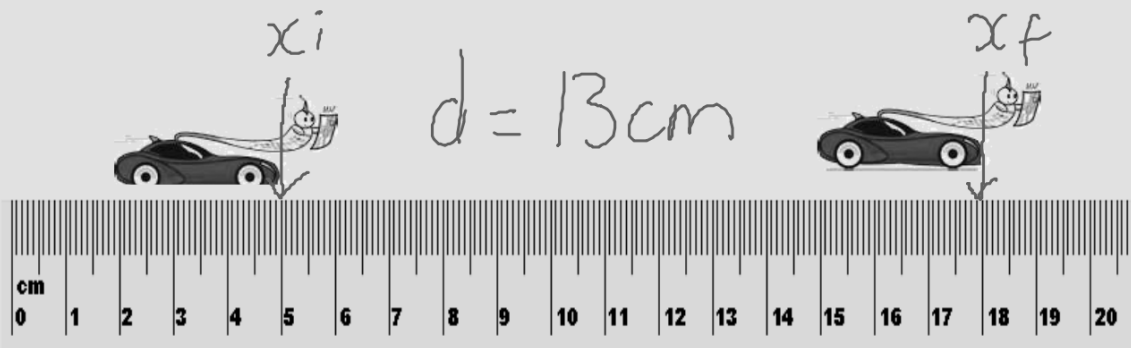


**Agenda**

Entrance  
task  
Writing  
questions  
Writing  
hypothesis

Copy the diagram accurately into your journal.



How far did the car travel?

- mark the reference points
- mark the  $x_i$  and the  $x_f$
- indicate the value for  $d$

$$\begin{array}{r} 18 - \\ \underline{5} \\ 13 \end{array}$$



*I can write investigation questions related to the quantitative description of motion.*

Symbols: make sure these are in your journals.



Figure 1

- x position
- $\Delta$  Change
- $x_f$  Final Position
- $x_i$  Initial Position
- d Distance

LEARNING



TARGETS

*I can write investigation questions related to the quantitative description of motion.*





Mouse trap car.

Wheel + Axle system.

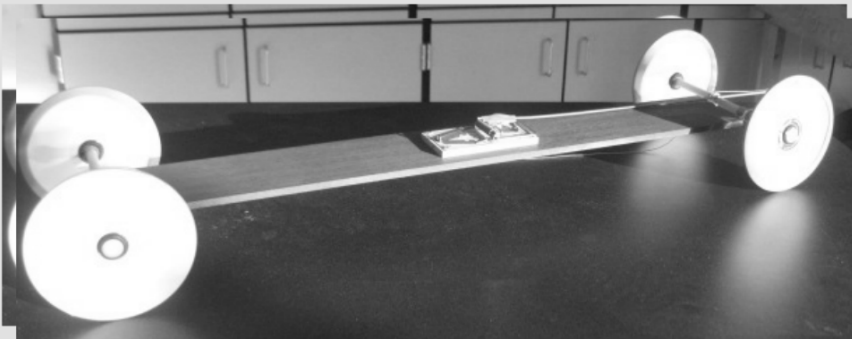
Measuring tape

Write the investigation question for this picture.



RV is distance

*I can write investigation questions related to the quantitative description of motion.*



Size of body  
 Length of arm  
 weight of car.  
 Type of M.T

Size of wheels

Size of M.T

material of the body

Make a list of possible manipulated variables for an investigation for this car

length of string  
 length of axle

thickness of body

EARNING



TARGETS

RV is distance

*I can write investigation questions related to the quantitative description of motion.*

Using the materials in your supply bucket write 3 investigation questions and hypothesis:



(RV must be a distance)

### Question

How does MV affect RV ?

### Hypothesis

Write a hypothesis for each question

If MV then RV because \_\_\_\_\_



*I can write investigation questions related to the quantitative description of motion.*



Type in your most interesting investigation question for the materials in your bucket.

-Technology lead get expressions for each person at your table.

- materials manager put the buckets of supplies away. (roll up the measuring tape)



*I can write investigation questions related to the quantitative description of motion.*

period 4

How does the distance the car is pulled back, affect how far it travels?

How does the incline of a ramp effect the distance a car travels?

How does the number of washers in the egg affect the distance the car travels?

how does the ammont of pull back affect how far the car travels?

how does the ammount of washers on a toy car affect how far it travels?

how does the amount of washers on a toy car affect how far it travels?

how does the amount of washers on top of the toy car affect how far it travels?

how does the amount of weight on the car affect the distance it travels?

how does the amount of weight on the car effect how far it travels?

how does the amount of weight on the car effect how far it travels?

how does the distance that you pull back the toy car affect how far it travels?

how does the incline of book affect how far the car will travel?

how does the incline of the ramp effect the distance the car travels?

how does the incline of the ramp effect the distance the car travels?

how does the number of washers in an egg affect how far the car travels?

how does the number of washers in an egg affect the distance the car travels?

how does the weight of the car affect how far the car travels?

how does the weight of the washers on the car affect the distance the car travels when pulled back 10cm?

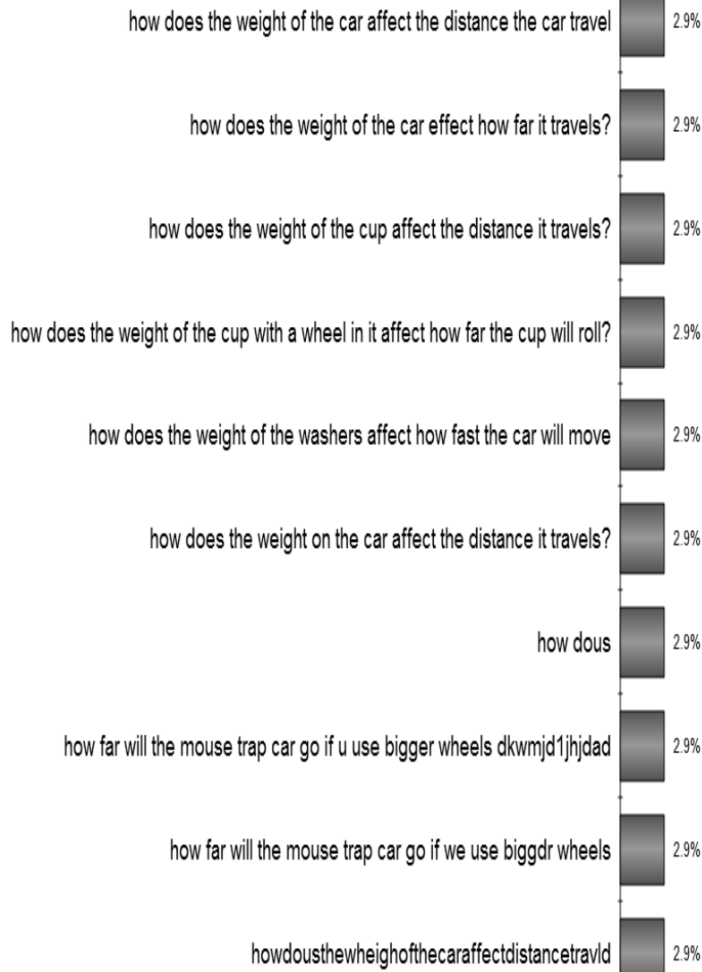
how does the weight of the weighs on the car affect the distance it travels?

Unanswered

01/15

period 2

#1



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