

# Observation Chart Questions

distance  
for trial #1

distance  
for trial #2

distance  
for trial #3










trial #1






trial #2

trial #3














Place an X on the trial that the










car traveled the longest distance.






Place an x on the trial that you pulled

the rubberband back the farthest.

Did your car travel the longest distance on the same trial you





pulled the rubberband back the farthest?

## Print Observation Chart

Observation Chart  
Science P8.1, C8.2

Trial #	Distance Car Traveled
trial# 1 Pulled rubber band back 2"	
trial# 2 Pulled rubber band back 4"	
trial# 2 Pulled rubber band back 6"	

## Answers for Observation chart Questions

		yes 	no 
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Science P8.1, C8.2

performance level 3

This activity is designed to

allow students to demonstrate how motion is related to force. In this experiment the student demonstrates that the more force that is placed on the rubber band by pulling it back farther each trial the more distance the car will travel.

Instructions:

Make sure Boardmaker is in Design mode

(if needed, press CTRL + D or ESC to change to Design Mode). Print pages 1-5

(\*\*Note, this will print just fine in black and white!). Cut

answers out from page 3 and laminate. Use these answers

as manipulatives for student to

place in designated answer boxes. Velcro

can be used to keep answers secure. Place all other pages inside page protectors.

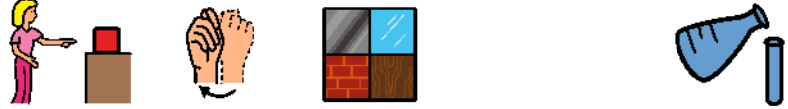
\*\*remember that scratchy Velcro is used

on manipulatives and soft Velcro in

answer boxes.

Step 1

1



Gather the materials needed for experiment.

2



One large rubberband.


3



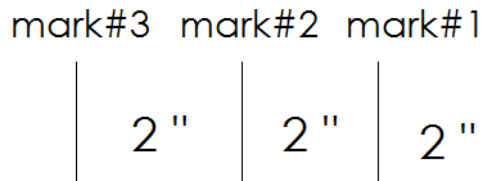
One matchbox car.

starting line


4




Mark the starting line.



5



Place three marks behind the starting line - 2



inches behind the other.

## Step 2

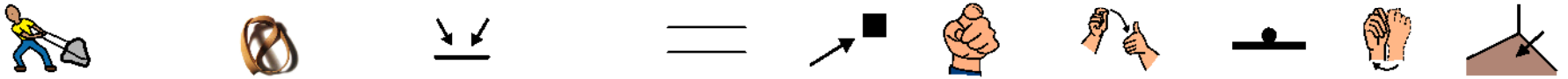
science P8.1, C8.2

1



Place car behind starting line.

2



Pull back rubberband to the first line that you marked on the floor.

3



Let go of the rubberband so that the car shoots out.

4



With your yard stick measure the distance the car traveled.

5



Write the distance on your chart.

6



Repeat steps 2 through 5, pulling rubberband back 2" each trial.