

Forces -Homework 1 (Our Physical World Part 4)

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A Sheet of graph paper is needed for this homework.

Name: _____

Parent/Guardian Signature: _____

Due date: _____

1. One type of force can be called a twisting force name the two other types of force. _____, _____.(2)
2. (a) What are the three things a force can change about an object the force is applied to?
_____, _____, _____. (3)
3. (a) What do we call an instrument used to measure forces?
_____. (1)
- (b) What unit do we use to measure forces in?
_____. (1)
4. The table below shows the results of an experiment where different sizes of force are applied to a rubber band, and how this affects the increase in length of the band from its starting position.

Force applied (N)	Increase in length of rubber band (cm)
0	0
2	2.5
4	5
6	7.5
8	10

- (a) Use these results to plot a graph of Force against increase in length. (2)
- (b) Use your graph to work out what the increase in length would be when a force Of 5N is applied to the rubber band. (1)