My Name:



Slippery Surfaces Investigation

Instructions:

- 1. Put the box flat on the desk
- 2. Put the object you are testing with against one end inside the box
- 3. Hold a ruler next to this end of the box
- 4. Lift this end up until the object slides STOP and measure the height
- 5. Write the height in the table below
- 6. Repeat the investigation with different materials in the box



Results

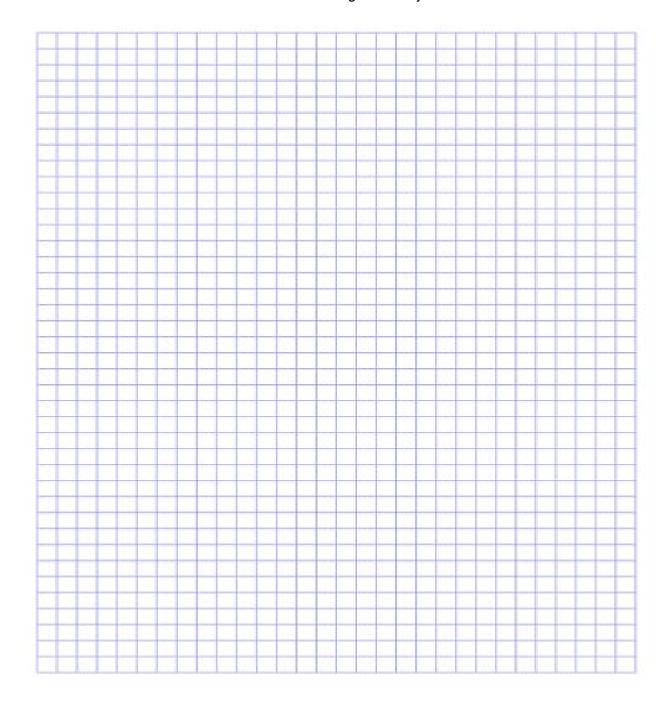
Material Tested	Height when the test object slides (cm)
Cardboard box lid	
Paper	
Card	

My Name:



Analysing the results

Draw a bar chart to show the materials and the height that object slides at



Conclusions - what did you find out?

Look at your chart and look closely at the materials you tested.

For which material did the box have to be tilted the most?
For which material did the box have to be tilted the least?
What differences can you see when you look closely at these materials?
Explain why the box could be tilted more more with one material than the other and use the word 'friction' in your answer: