

Name: \_\_\_\_\_  
 Class: 3 Date: \_\_\_\_\_

## Student Sheet 6.1 What a Drag!

**Directions** Measure the force required to pull a block over five surfaces. Calculate the averages. Then construct a graph showing the average force values for each surface.

**Table 1 Force Needed To Move a Block 0.27 m (27 cm) Over Different Surfaces**

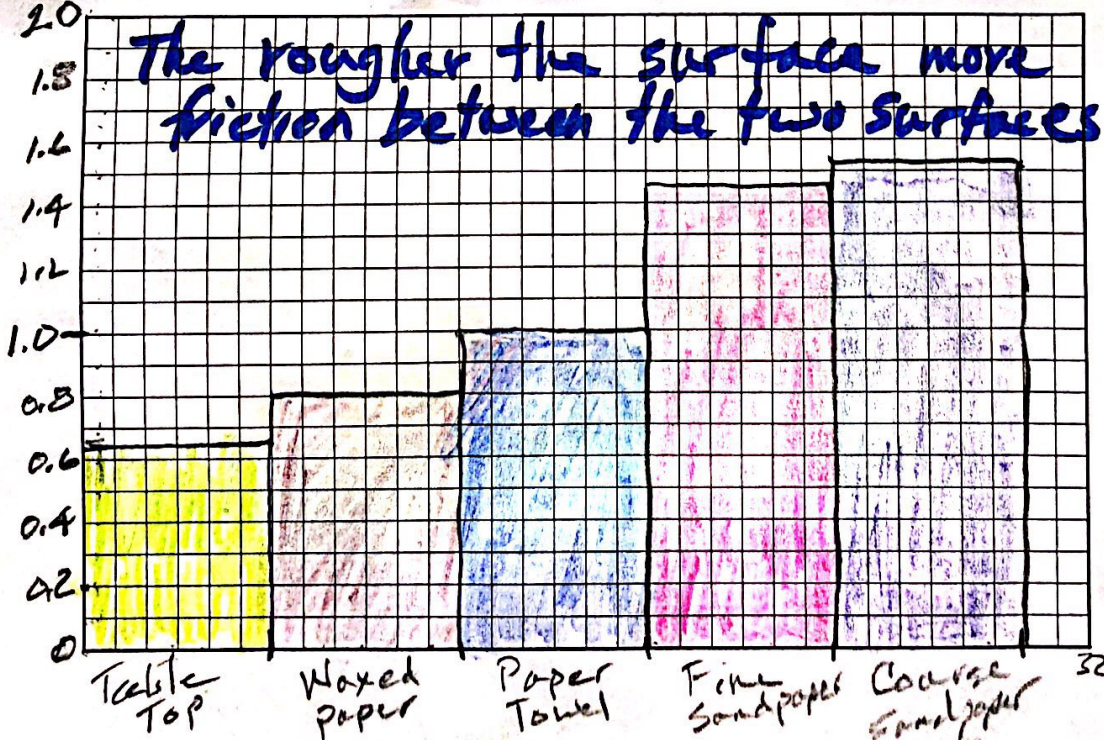
Sliding Surface	Force (N)				Average
	Trial 1	Trial 2	Trial 3	Trial 4	
Tabletop					0.62
Waxed paper					0.8
Paper towel					1.0
Fine sandpaper					1.46
Coarse sandpaper					1.51

Class Avg  
 0.62 y

These are not numbers. Cannot have ordered pairs. Do not have an affect on each other, so BAR Graph. No continuum.

Title: Force Needed To Move A Block 0.27m (27cm) Over Different Surfaces

Average Force of Friction (N)



The rougher the surface more friction between the two surfaces.

Sliding Surfaces