

Reducing Friction lab report

Below, predict the order in which the materials placed beneath the sled will reduce its friction, making it easier for your Bess beetle to pull. Place a "1" by the material that you think will be most effective in reducing the friction. Place a "2" by the material that will be the second most effective, etc.

Prediction	Material to Reduce Friction	Actual
	Pan of Water	
	Aluminum Foil	
	Cylindrical Rolling Dowels	
	Cooking Oil Coated Aluminum Foil	
	Saran Wrap	
	Smooth Table Top	

Controlling all other variables, experiment with materials placed beneath the sled to determine which material most effectively reduces the friction enabling your Bess beetle to more easily pull the sled. Write the order indicating most effective (1), second most effective (2), etc. in the "actual" column above.

Which material was found to reduce friction most effectively? _____

Below write down the number of pennies pulled by each of the Bess beetles when this material was used beneath their sled to reduce friction (write them in order from lowest to highest number of pennies):

What is the range of these data? _____

What is the mode of these data? _____

What is the median of these data? _____

What is the mean of these data? _____