

Subject	Science	Date		Roll No.	
Name				Grade/Section	5 ____

Measuring Gravity

Measure the weight and mass of different objects. Do you think there will be a link between weight and mass of each object?

Underline one statement as your prediction

- The mass of each object will be the same as its weight
- The mass will be higher than the weight
- The mass will be lower than the weight
- There will be no link at all

Record the mass and weight of each object in the table below

Name of object	Mass (kg) (= weight /10)	Weight (N) (= mass x 10)
Tea cup	2kg	
Paper plate	0.5kg	
Laptop		300N
Sports shoe		45N
Electric kettle	18kg	

Was there a link between mass and weight? _____

Fill in the key words below to explain how gravity gives objects their weight.

All objects are made of _____, or stuff. The amount of matter they are made of is called their mass. This is measured in _____.

_____ pulls all objects down towards the _____ of the Earth. It pulls objects with a larger mass down with a stronger _____. The pulling force of gravity on an object is their weight. It is measured in _____.

Key words: Newtons gravity force matter centre kilograms