

The Primary Stage of Grades (4-5)
School Year 2022- 2023

Name: _____

Subject: Science

Unit 7: Effects of Forces

Mass and Weight Revision Sheet

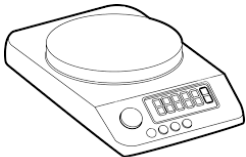

Class: Grade 5 CP (All sections)

Date: / /

Objective/s:

- Differentiate between the mass of an object and its weight.
- Calculate the weight of an object on Earth.

Q1: Compare between mass and weight in the following table:

	Mass	Weight
Definition:	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
Unit:	<p>.....</p>	<p>.....</p>
Instrument:		
Does it change when you go to another planet?	<p>.....</p>	<p>.....</p>

Q2:

a) A group of friends were measuring their mass and weight on Earth. Complete the table below to see their results.

Names	Mass	Weight on Earth
Costa	65 kg	
Hashem		900 N
Rayn	91 Kg	
Joseph		550 N

b) An astronaut stands on a weighing scale on Earth, it gave a reading of 80 Kg.

The astronaut travels to **planet (A)** which has a gravitational force that equals **half (1/2)** of the gravitational force of **Earth**.

Calculate the following:

The astronaut's mass on Earth :
The astronaut's weight on Earth :
The astronaut's mass on planet A :
The astronaut's weight on planet A :
The astronaut's mass on Jupiter :