

MEASUREMENT OF WEIGHT

Learning outcome-

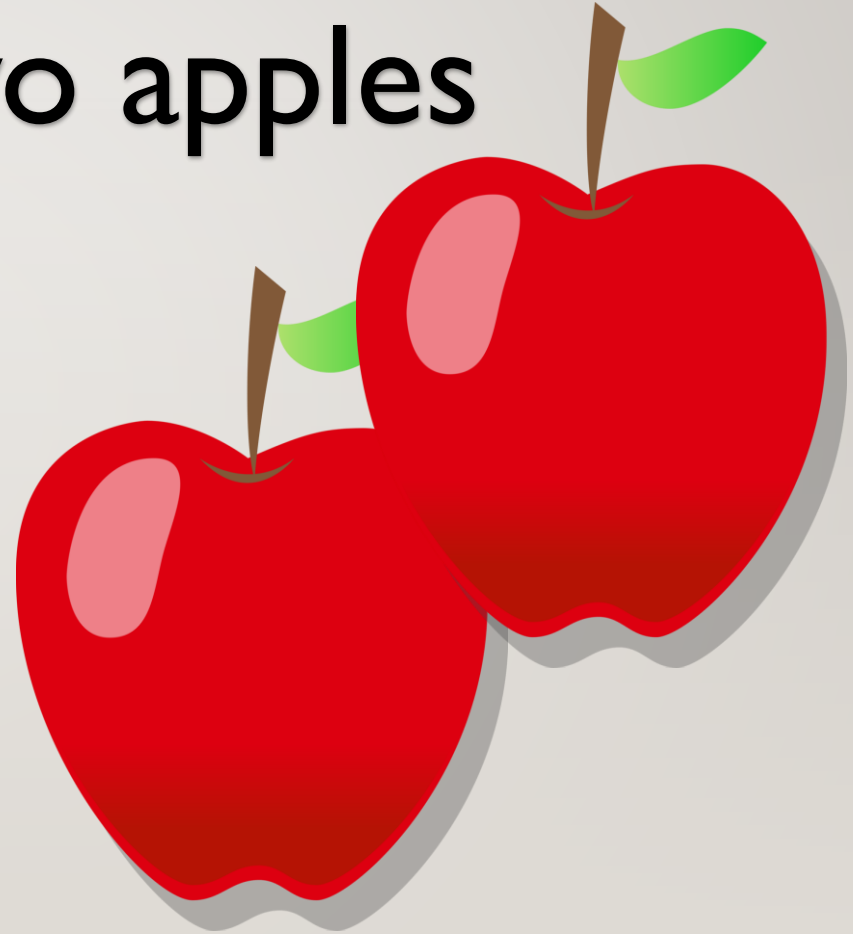
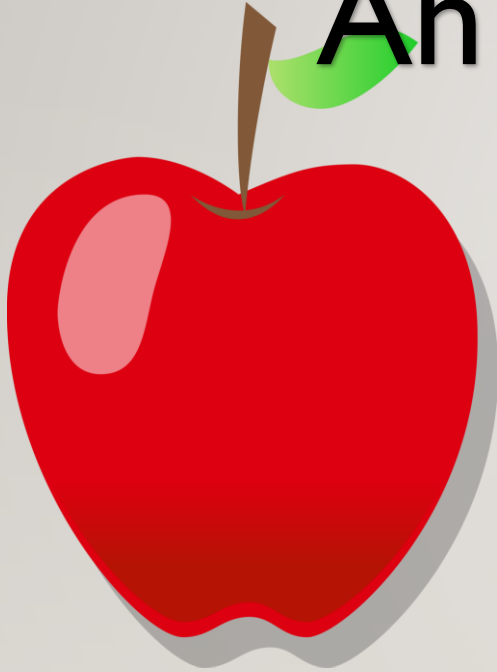
The children will be able to-

- Understand how to measure the various light or heavy things using various measuring tools and units(of weight- grams , kilograms).
- Convert the given quantities of weight from grams to kilograms and vise versa

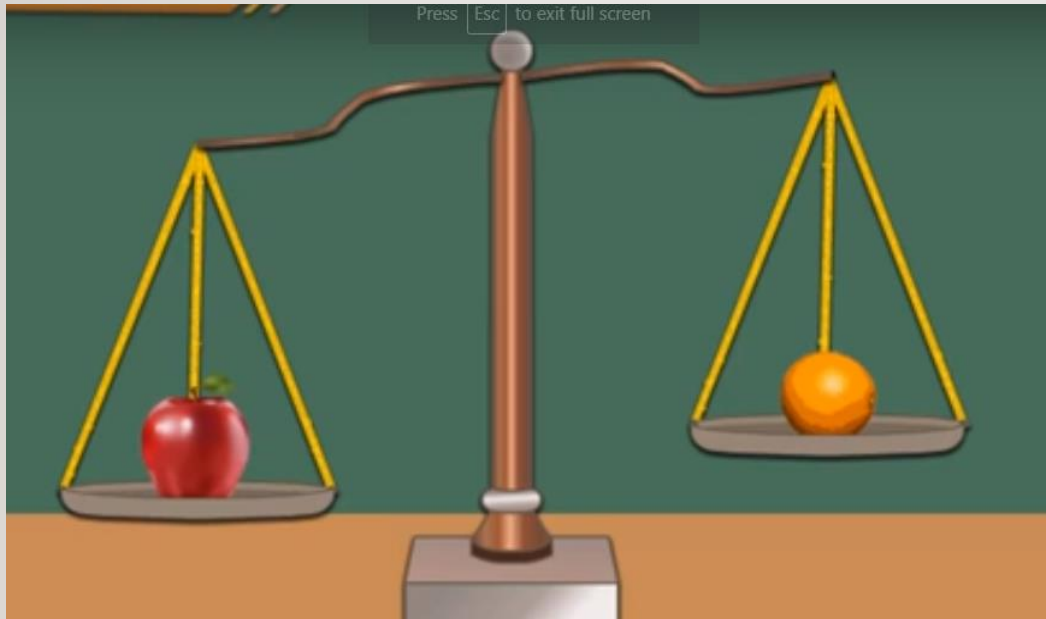


WHICH IS MORE HEAVIER?

An apple or two apples



WHICH IS MORE HEAVIER THE APPLE OR THE ORANGE?



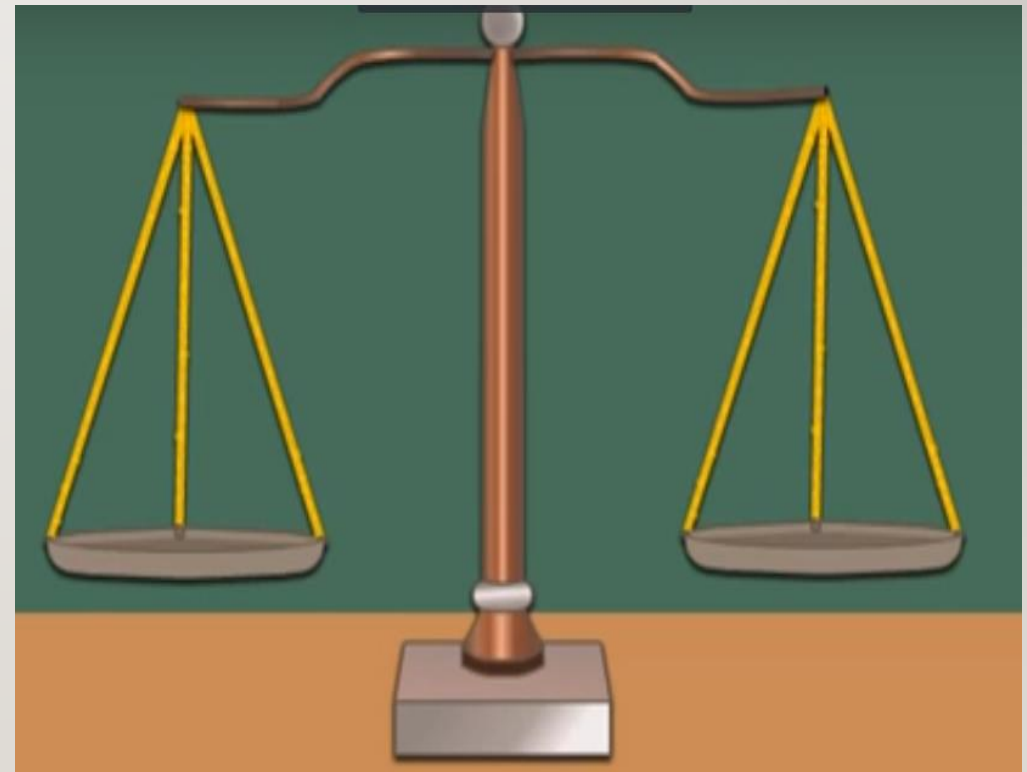
What did you observe ?

The plate where the apple is kept , is going down because apple is heavy.

It also reflects that orange is lighter than orange.

To measure weight we use
A weighing scale or beam balance.

A BEAM BALANCE



WEIGHTS ARE USED FOR MEASUREMENT



WEIGHTS USED FOR MEASUREMENT ARE OF DIFFERENT QUANTITIES SUCH AS -50gm, 100gm, 500gm and 1000gm.

WEIGHING MACHINE



A weighing machine is used to measure weight of human body.

SPRING WEIGHING SCALE



A spring scale is used to measure weight of heavy things like gas cylinder etc.

THINGS TO REMEMBER:
THE STANDARD UNITS OF MEASUREMENT OF WEIGHT ARE-

GRAMS AND KILOGRAMS .

(NOTE: THERE ARE MORE UNITS OF MEASUREMENT OF WEIGHT BUT IN CLASS 3 YOU WILL LEARN ONLY ABOUT THESE UNITS)

GRAM IS WRITTEN AS GM AND KILOGRAM IS WRITTEN AS KG.

SMALL OR LIGHT THINGS/OBJECTS ARE MEASURED IN GRAM.

BIG OR HEAVY THINGS ARE MEASURED IN KILOGRAMS.

FACT: 1 KILOGRAM HAS 1000 GRAMS.

A. 2 KILOGRAMS WILL HAVE 2000 GRAMS.

B. 3 KG WILL HAVE _____ GRAMS.

C. 5 KG WILL HAVE _____ GRAMS.

D. 9 KG WILL HAVE _____ GM.

CHILDREN DID YOU OBSERVE SOMETHING IN ABOVE SUMS?



ONE | KG HAS 1000GM.

THEN, 3 KG HAS 3000 GM.

4 KG HAS 4000 GM.

BY MULTIPLYING THE GIVEN KILOGRAMS WITH 1000 ,WE CAN
CONVERT KILOGRAMS INTO GRAMS.

Similarly when we have to convert grams to kilograms we divide the given quantity by 1000.

Let us see how do we do it?

Convert 2000gm in to kg.

We divide 2000 by 1000.

(Recall division of 1000)

We get 2 kg.



Now convert the following in to kg
Yourself:

$$3000 \text{ gm} = \underline{\hspace{2cm}} \text{ kg}$$

$$6000 \text{ gm} = \underline{\hspace{2cm}} \text{ kg}$$

$$8000 \text{ gm} = \underline{\hspace{2cm}} \text{ kg}$$

$$10000 \text{ gm} = \underline{\hspace{2cm}} \text{ kg}$$



THANK YOU CHILDREN

