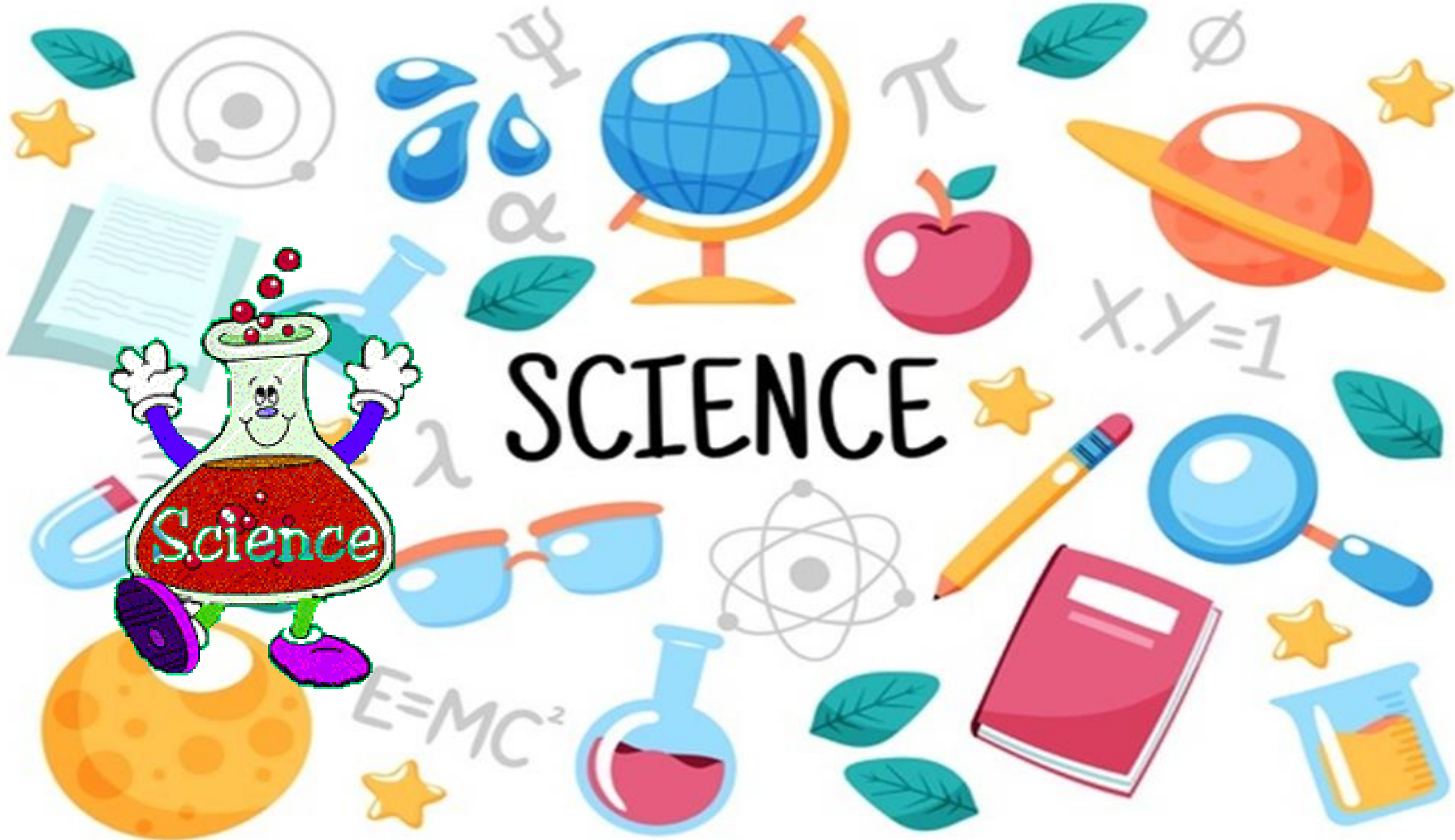


Alavi

21st Century Schools

Science

SCIENCE



Taking a scale to class
showing how to measure
which is lighter/heavier

What Is Matter?



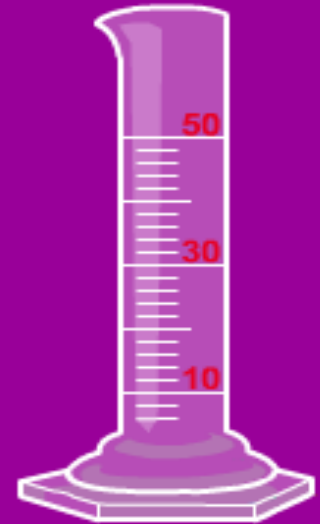
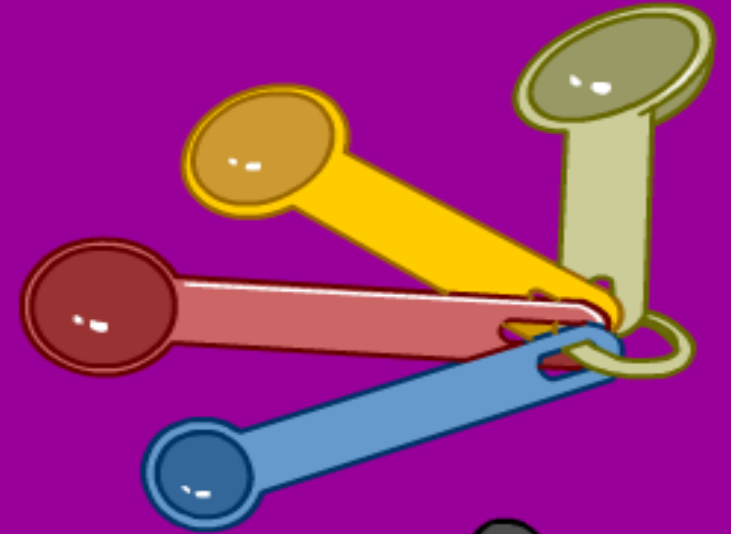
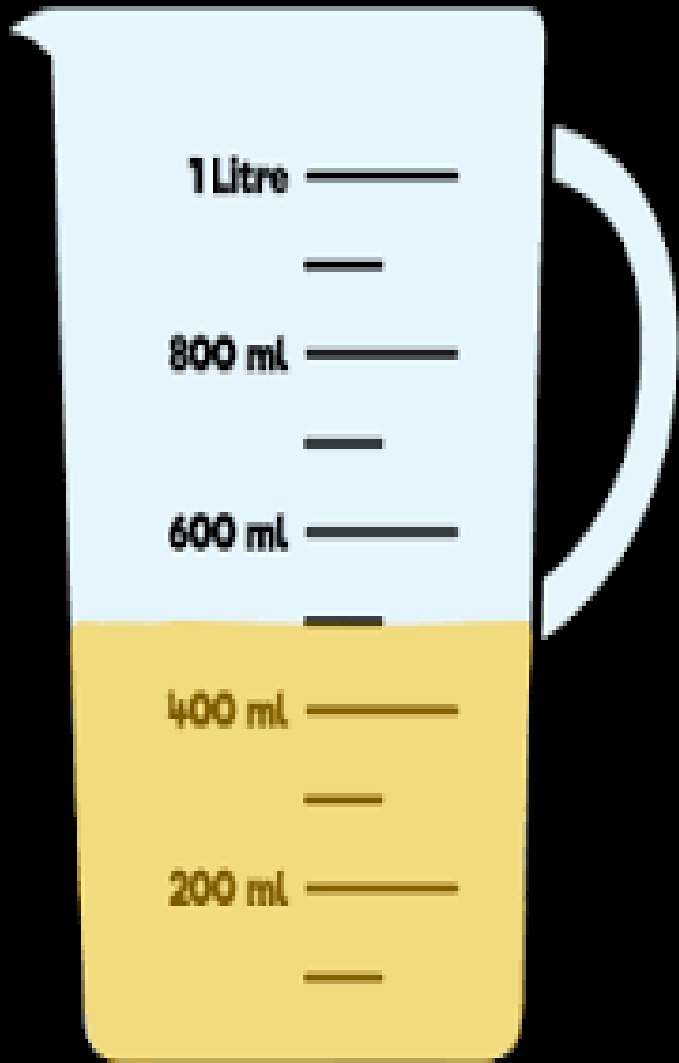
Matter

- Everything around you is **matter**.
- Matter can be **solid**, **liquid** or **gas**.
- Toys are matter.
- Balloons are matter.
- Water is matter, too!!
- Some matter has parts that are too small to see.





liquids



How to measure liquids?

litre(L) VS. millilitre(ML)



Holds a liter



Holds a few milliliters

litre(L)	Millilitre(ML)
1	1000
3	3000
4	4000
8	8000
9	9000
2	2000
6	6000

Some Fun Facts

A can of paint holds about
4 liters of paint.

=

4000 ml



Some Fun Facts

A bathtub holds about
140 liters of water.

=

140000ml



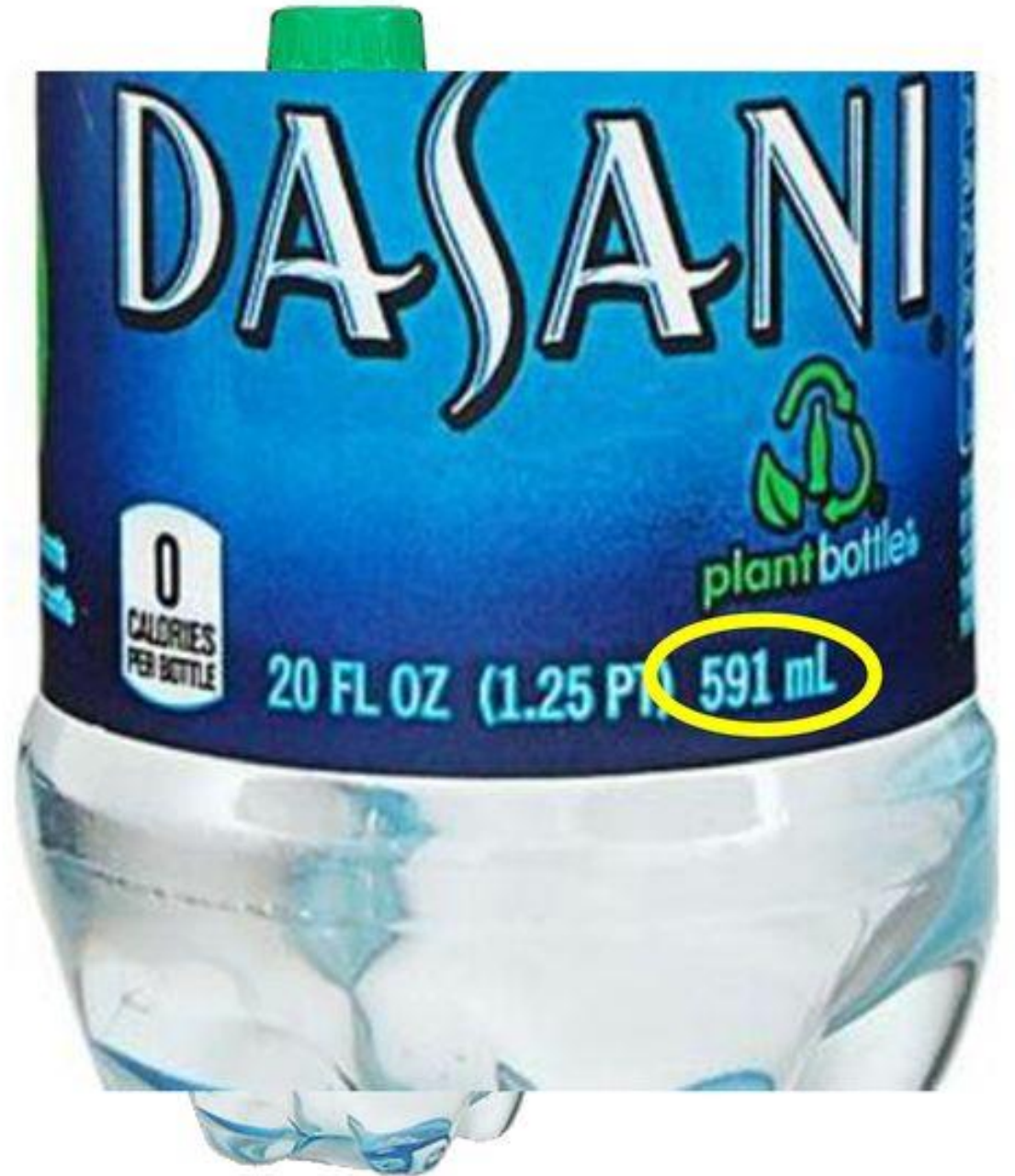
Some Fun Facts

A teaspoon holds about
4 milliliters of water.



Some Fun Facts

This water bottle holds
591 milliliters of water.



Some Fun Facts

The medicine cup shows **10 milliliters** at the line shown.



Estimation Game

Juice Box



1



**1 milliliter
or 1 litre**

2



**2 milliliter
or 2 litre**

3



**1 milliliter
or 1 litre**

5



**16 milliliter
or 16 litre**

4



**250 milliliter
or 250 litre**

Which one holds more than 1 litre?

1



1.5 litre



2

2 litre

4



250 milliliter

3



1 milliliter

5



16 litre

Which one holds **less** than 1 litre?

1



1.5 litre

2



2 litre

4



250
milliliter

3



1
milliliter

5

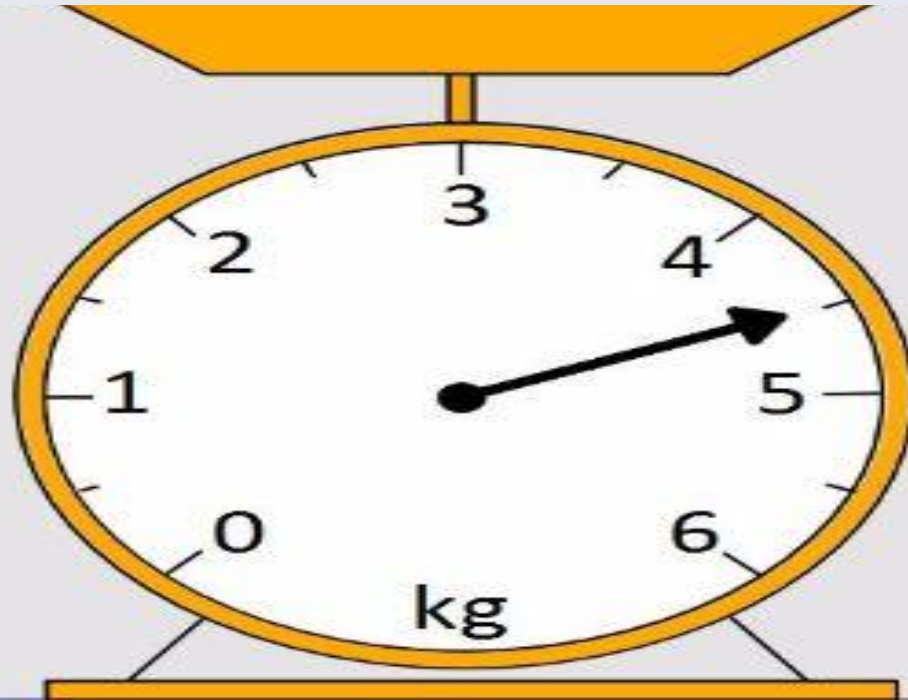
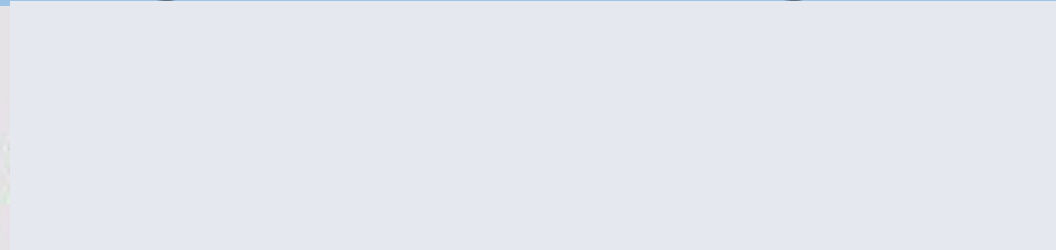
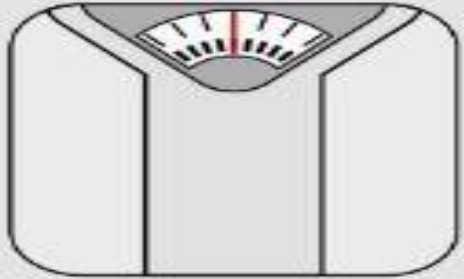


16 litre



solid

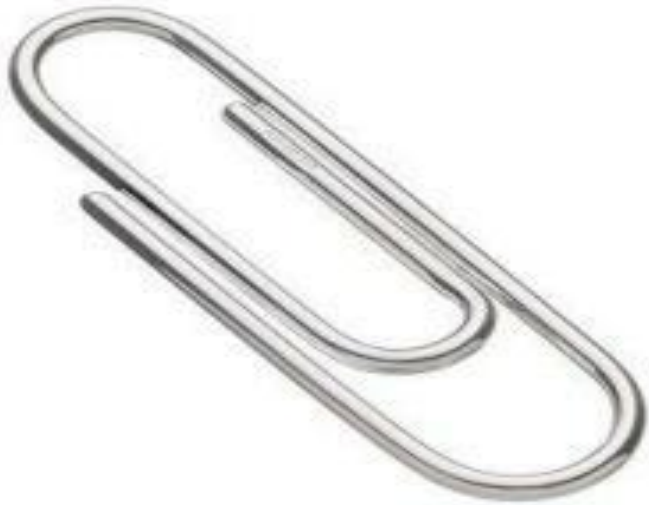
Gram(g) vs kilogram(kg)



How to measure solids?

Grams and kilograms

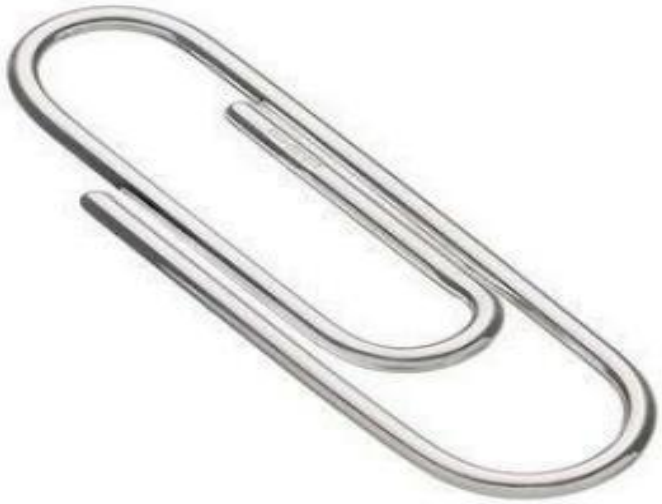
A paper clip weighs **1 gram**



1 g

Grams and kilograms

We know that a paper clip weighs **1 gram**



How many grams do think this bag of
of rice weighs?



Grams and kilograms

One bag of rice weighs **1 kilogram**



1 kg

Grams and kilograms



1000 paper clips = 1000 grams

1 bag of rice = 1 kilogram



=



1 kilogram = **1000** gram

1 kg = **1000** g



Grams and Kilograms

1)



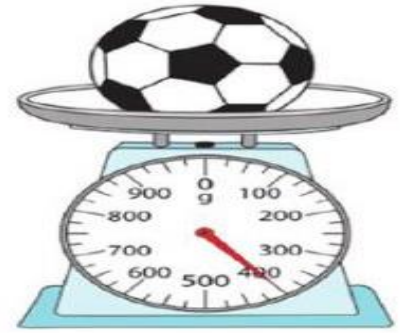
_____ g

2)



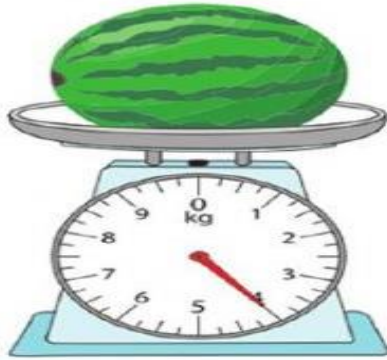
_____ kg

3)



_____ g

4)



_____ kg

5)



_____ g

6)



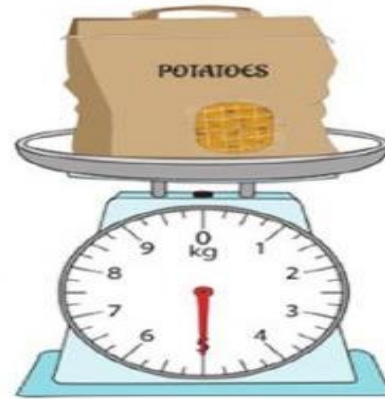
_____ kg

7)



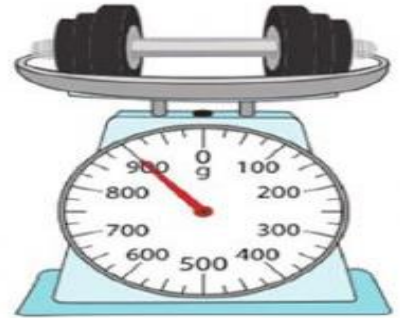
_____ g

8)



_____ kg

9)



_____ g

