Who is Heavier?

Find out which of these need bigger bag:

1. **1 kg sugar or 1 kg ground nuts?**

   We need bigger bag for ground nuts

2. **1 kg sugar or I kg popcorn?**

   We need bigger bag for popcorn

3. **I kg peas or 1 kg potatoes?**

   We need bigger bag for potato

4. **1 kg tomatoes or 1 kg cauliflower?**

   We need bigger bag for tomatoes

5. **1 kg potato or 1 kg beans?**

   We need bigger bag for beans

Answer on your own:

1. **How many small tomatoes do you think could lift the pumpkin up?**

   _____

2. **How many big mangoes can balance the pumpkin?**

   _____

3. **How many pumpkins can balance you on the see saw?**

   _____

4. **Name some of your classmates who you think weigh**

a) **Almost the same as you**

_____+_____

b) **More than you**

_____

c) **Less than you**

_____

Now guess her weight and the amount of sweets her parents distribute every Independence Day.

Kunjamma's age	Kunjamma's weight	Amount of sweets
At birth	3 kg	3 + 3 = 6 kg
1 year old	9 kg	9+9 = 18 kg
2 years old	13 kg	13 +13 = 26 kg
3 years old	17 kg	17+17=34 kg
4 years old	23 kg	23+23=46 kg
5 years old	28 kg	28+28=56 kg

1 kilogram   =   1000 grams

1. **7 kg**   =   **7000**   **grams**

2. **5 kg**   =   **5000 grams**

3. **6 kg**   =   **6000 grams**

4. **19 kg**   =   **19000 grams**

5. **9 kg**   =   **9000 grams**

6. **28 kg** = **28000 grams**

7. **3 kg** = **3000 grams**

8. **4 kg** = **4000 grams**

9. **15 kg** = **15000 grams**

10. **2 kg** = **2000 grams**

Yum-yum Rice

Shugoto heard about a new dish on the radio. He wants to try making it. When he notes down how to make it, he gets confused. This is what he notes down —

(1) Pour **2 spoons** of water in the pot

(2) Boil the water and add

 - **1 pinch of** *daal*

 - **Half kg** red chilli powder

 - **1 bowl** salt

(3) Now put **a spoon** of rice

(4) Add **2 peas** and **8 glasses** of mustard seeds

(5) Finally add **1 kg** of onions

Mix everything and boil for 15 minutes.

But Shugoto feels there is something VERY wrong in the amounts of everything!!!

✽ Help him match the things with their right amounts.

➢ **1 kg** - rice
➢ **Half kg** - *daal*

➢ **1 bowl** - peas
➢ **8 glasses** - water
➢ **2** - Onions
➢ **2 spoons** - salt

➢ **A pinch** - **mustard seeds**
➢ **A spoon** - **red chilli powder**

Make a list of things bought at your home. Find out how much of each thing is bought at one time. These things can be rice, oil, chilli powder, sugar, milk, onions, ginger, etc.

Name of thing	*How much bought*

Guess their weights and match.
Guess which of the following things weighs more than 1 kilogram? Which ones will weigh less than 1 kilogram (kg)?

1. **Less than 1 kg**
2. **10 kg 400 kg**
3. **More than 1000 kg**
4. **80 kg 2 kg**

Guess which of the following things weighs more than 1 kilogram? Which ones will weigh less than 1 kilogram (kg)?

i)   **Your school bag**

ii)   **Geometry box**

iii)   **A brick**

iv)   **A big pumpkin**

v)   **Your pair of slippers/shoes**

Bring a balance and a 1 kg weight to class. Check if your guess was right.

D. Use your balance to find which of the following is heavier

i) A water bottle or a cricket ball

ii) Your shoe or your pencil box

iii) Your Maths book or Hindi book

iv) Your bag or your friend's bag

E. Weigh 1 kg of mud or sand. Divide it equally into 2 bags. Use the balance to check if both the bags have equal weight.

Each bag of mud is your half-kg weight. Use it to weigh some other things around you.

Make a list of

i)   **Things weighing less than half kg.**

ii)   **Things weighing more than half kg.**

Look for Weights and Balances

Make a trip to your nearest junk dealer, vegetable shop and grocery shop. Have a look at the weights they use.

Find out:

i) Who uses the biggest weight?

ii) Who uses the smallest weight?

Have you seen any of these balances?

Paste the images of weighing machines: