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**CBSE Class 3 Mathematics**  
**NCERT Solutions**  
**Chapter – 8**  
**WHO IS HEAVIER?**

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**Gur ( jaggery) and Groundnuts**

**Shabnam wants to eat jaggery (gur) and groundnuts.**

**One day she bought 1 kg. of jaggery and 1 kg. of groundnuts.**

**1. Are the groundnuts really more than the jaggery in weight or do they just look more?**

**Ans.** The groundnuts are not really more than the jaggery in weight but they just look more.

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

**Ans.** For 1 kg popcorn, we require a bigger bag.

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

**Ans.** For 1 kg peas a bigger is needed.

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**Guess**

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

**Ans.** Forty small tomatoes are enough to lift the pumpkin up.

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

**Ans.** Twenty big mangoes can balance the pumpkin.

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

**Ans.** Ten pumpkins can balance me on the see-saw.

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**Now Guess**

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

**(a) Almost the same as you**

**Ans.** Mohit, Sanjeev, Suraj, Surekha, Suni.

**(b) More than you**

**Ans.** Rohit, Rajeev, Kamla, Ankit, Chandani.

**(c) Less than you**

**Ans.** Rajat, Naveen, Reena, Aditya.

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**8. How many books can you lift on one hand keeping your arm straight?**

**Ans.** On lifting four books in one hand, I may keep my arm straight.

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**Double her weight**

**9. Now guess her weight and the answer the amount of sweets her parents distribute every Independence Day:**

**Ans.**

Kunjamma's age	Kunjamma's weight	Amount of sweets
At Birth	3 kg	$3 + 3 = 6$ kg

1 year old	9 kg	$9 + 9 = 18 \text{ kg}$
2 years old	13 kg	$13 + 13 = 26 \text{ kg}$
3 years old	17 kg	$17 + 17 = 34 \text{ kg}$
4 years old	22 kg	$22 + 22 = 44 \text{ kg}$
5 years old	28 kg	$28 + 28 = 56 \text{ kg}$

### Activity Time

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

Ans.

Name of the thing	How much brought
Rice	5 kg
Atta	15 litres
Oil	5 kg
Sugar	2 kg
Salt	1 kg

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Chilli powder	200 gms
Daal	1 kg
Peas	1 kg
Onions	1 kg
Ginger	250 gm
Tea	250 gm
Papad	250 gm

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

**Ans.** Things which weigh more than 1 kg are School bag, a brick and a big pumpkin. Things which weigh less than 1 kg are Geometry box, slippers/shoes.

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

**Ans.** (a) A cricket ball is heavier than a water bottle.

(b) My shoe is heavier than my pencil box.

(c) My math book is heavier than my hindi book.

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(d) My friend's bag is heavier than that of mine.

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**13. Make a list of**

**(a) Things weighing less than half kg.**

Ans. Things weighing less than half kg are socks, watch, belt, spectacles, slippers, gloves.

**(b) Things weighing more than half kg.**

Ans. Things weighing more than half kg are fan, chair, table, cot, television.

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**14. 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?**

Ans. A junk dealer uses the biggest weight.

**(ii) Who uses the smallest weight?**

Ans. The smallest weight is used in a grocery shop.

**15. In which shop would you find the following types of weights? Discuss with your friends.**



**Ans.** Such weights are used in the shop dealing with grains.