

## Who is Heavier?

### Gur (jaggery) and Groundnuts

#### Question 1:

(Page 113)

Are the groundnuts really more than the jaggery (*gur*) in weight or do they just look more?

#### Answer:

Since both the groundnuts, and the jaggery(*gur*) are 1 kg in weight, the groundnuts are not more than the jaggery in weight.

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#### Question 2:

(Page 113)

Now guess, for which of these you need a bigger bag:

- (1) 1 kg popcorn or 1 kg sugar?
- (2) 1 kg peas or 1 kg potatoes?

Go to the market and check if your guess is right.

#### Answer:

Do it by yourself as directed. Things which are bigger in size and lighter in weight will require bigger bags.

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#### Question 3:

(Page 115)

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

- Ten
- Twenty
- Forty

**Answer:**

About 40 small tomatoes will be needed to lift the pumpkin up.

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**Question 4:**

(Page 115)

How many big mangoes can balance the pumpkin?

**Answer:**

Answers may vary. About 20-25 big mangoes will be needed to lift the pumpkin up.

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**Question 5:**

(Page 115)

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

**Answer:**

Do it by yourself. An average pumpkin weighs around 2 kg.

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**Question 6:**

(Page 115)

Name some of your classmates who you think weigh

- (a) Almost the same as you
- (b) More than you
- (c) Less than you

**Answer:**

Do it by yourself.

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**Question 7:**

(Page 115)

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

**Answer:**

Do it by yourself. Answers may vary student to student.

## Double her Weight

### Question 8:

(Page 116)

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

<i>Kunjamma's age</i>	<i>Kunjamma's weight</i>	<i>Amount of sweets</i>
At birth	3 kg	$3 + 3 = 6$ kg
1 year old	9 kg	_____
2 years old	_____	$13 + 13 = 26$ kg
3 years old	17 kg	_____
4 years old	_____	_____
5 years old	28 kg	_____

### Answer:

The correct answer is:

<i>Kunjamma's age</i>	<i>Kunjamma's weight</i>	<i>Amount of sweets</i>
At birth	3 kg	$3 + 3 = 6$ kg
1 year old	9 kg	$9 + 9 = 18$ kg
2 years old	<u>13 kg</u>	$13 + 13 = 26$ kg
3 years old	17 kg	$17 + 17 = 34$ kg
4 years old	<u>20 kg (answers may vary)</u>	$20 + 20 = 40$ kg
5 years old	28 kg	$28 + 28 = 56$ kg

**Question 9:**

(Page 116)

You can ask your parents how much a 2-year old or 4-year old child could weigh.

**Answer:**

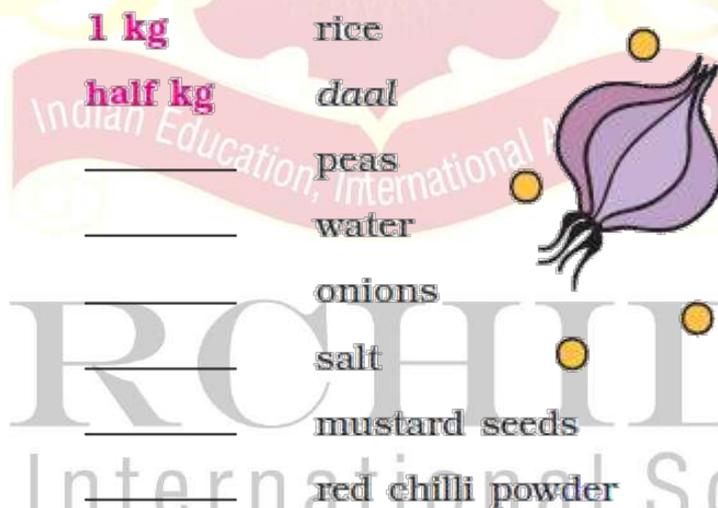
Do it by yourself. Answers may vary. A 2-year old child weighs around 11 kg -15 kg. A 4 - year old child weighs around 14 kg-19 kg.

**Yum-yum Rice**

**Question 10:**

(Page 117)

Help him match the things with their right amounts.



1 kg

half kg

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

rice

daal

peas

water

onions

salt

mustard seeds

red chilli powder

**Answer:**

Answers may vary. A sample answer is:

**1 kg**

rice

**half kg**

daal

1 bowl

peas

8 glasses

water

2

onions

2 spoons of

salt

1 pinch

mustard seeds

a spoon

red chilli powder

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### Activity Time

**Question 11:**

(Page 118)

Make a list of things bought at your home. Find out how much of each thing is bought at one time.

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<i>Name of thing</i>	<i>How much bought</i>
Rice	1 kg
Sugar	5 kg
Salt	1 kg
Oil	5 litre
Gram Flour	half kg
Flour	1 kg
Wheat Flow	1 kg
Lentils	1 kg
Turmeric	half kg
Potatoes	2 kg
Onions	1 kg

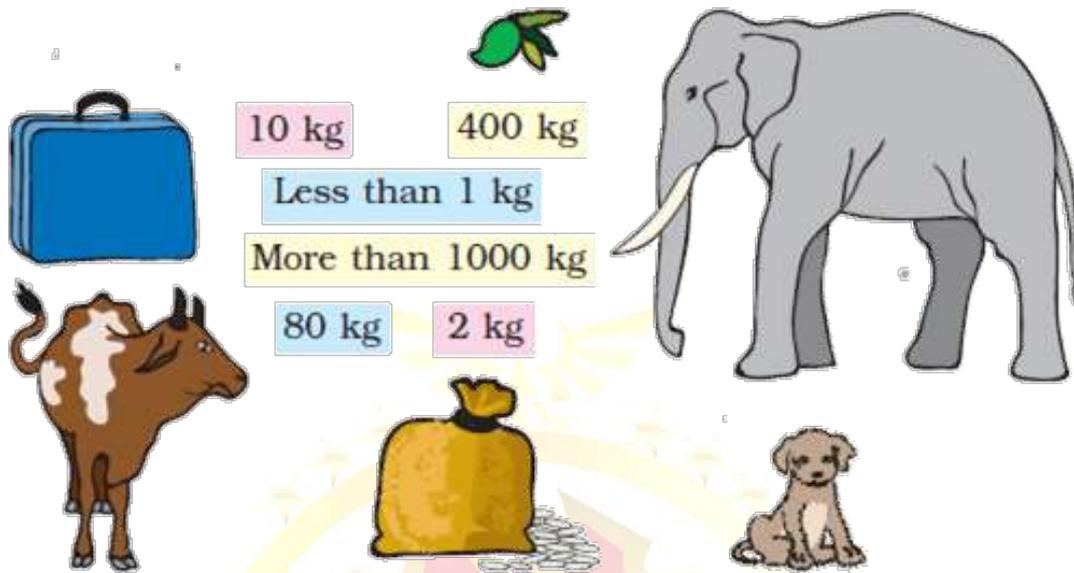
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**Question 12:**

(Page 119)

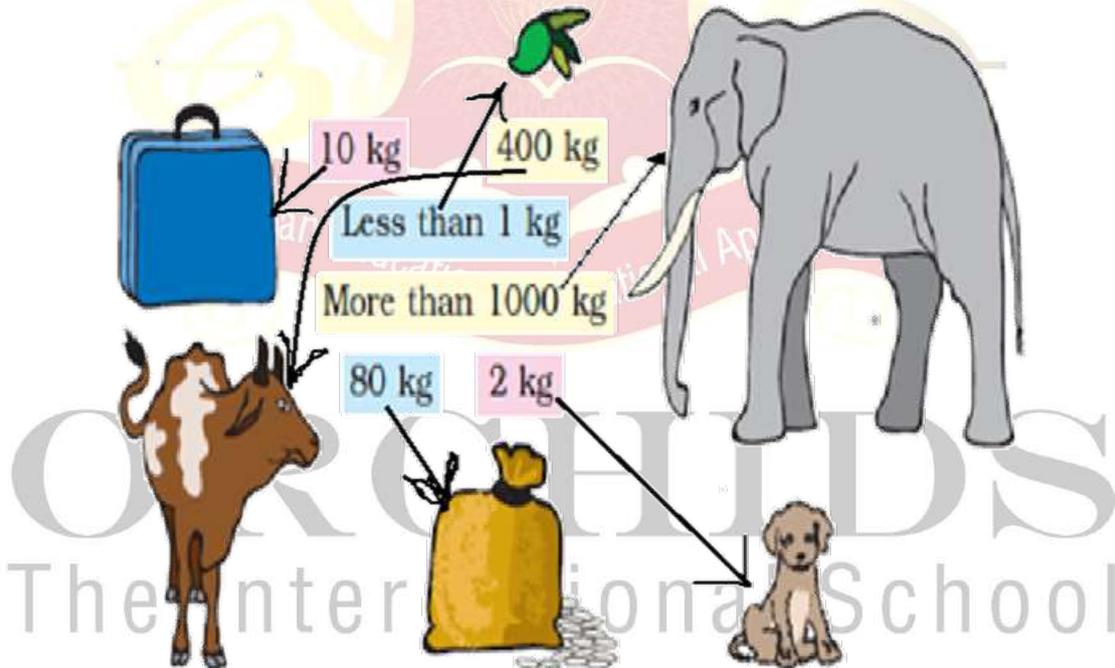
Guess their weights and match.

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**Answer:**

The correct answer is:



**Question 13:**

(Page 119)

Guess which of the following things weigh more than 1 kilogram?

Which ones will weigh less than 1 kilogram (kg)?

- a) Your school bag
- b) Geometry box
- c) A brick
- d) A big pumpkin
- e) Your pair of slippers/shoes

**Answer:**

Answers may vary.

Objects	Weights
a) Your school bag	More than 1 kg
b) Geometry box	Less than 1 kg
c) A brick	More than 1 kg
d) A big pumpkin	More than 1 kg
e) Your pair of slippers/shoes	Less than 1 kg

**Question 14:**

(Page 119)

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

**Answer:**

Do it by yourself.

**Question 14:**

(Page 120)

Use your balance to find which of the following is heavier —

- a) A water bottle or a cricket ball
- b) Your shoe or your pencil box
- c) Your Maths book or Hindi book

d) Your bag or your friend's bag

**Answer:**

Answers may vary. A sample answer is:

a) A water bottle is heavier than a cricket ball.

b) A pencil box is heavier than a shoe.

c) A Math book is heavier than a Hindi book.

d) Your bag and your friend's bag are almost equal in weight.

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**Question 15:**

(Page 120)

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.

**Answer:**

1 kg of mud and sand is equally divided into two bags. Both the bags weigh equal and the weight of each bag is half kg.

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**Question 16:**

(Page 120)

Make a list of

a) Things weighing less than half kg.

b) Things weighing more than half kg.

**Answer:**

Do it by yourself. Answers may vary. A sample answer is:

**Weighing less than half kg**

Empty water bottle

Empty pencil box

A bulb

A Glass

A Mango

**Weighing more than half kg**

A pumpkin

A sack of rice

A table

A television

A brick

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## Look for Weights and Balances

**Question 17:**

(Page 121)

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

Find out:

- Who uses the biggest weight?
- Who uses the smallest weight?

**Answer:**

Do it by yourself. Answers may vary. A sample answer is:

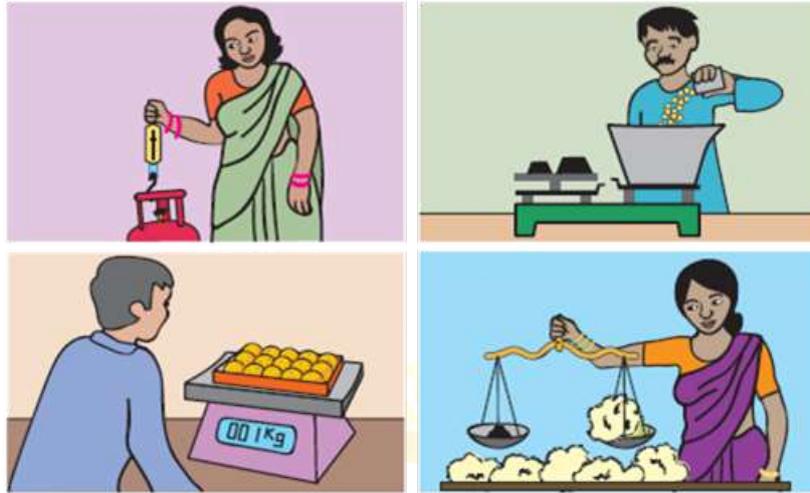
- The junk dealer uses the biggest weight.
- The grocery shop and vegetable shop use the smallest weight.

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**Question 18:**

(Page 121)

Have you seen any of these balances?



**Answer:**

Answer it by your experience. These balances are very commonly used in regular life.

The gas cylinder delivery boy carries this balance with him for their customers.



In the grocery shop, the shopkeeper uses this balance.



In the sweet shop, the shopkeeper uses this balance.



In the vegetable shop, the shopkeeper uses this balance.



**Question 19:**

(Page 121)

In which shop would you find the following types of weights?

Discuss with your friends.



**Answer:**

Do it by yourself. The shops which sell grains use these types of weights. Junk dealers also use these weights.

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