

# How Heavy? How Light?



Het and Mannu were shifting house. They loaded all their things on a horse-cart. There were many things like — a water tank, five sacks of wheat, three tables, an almirah, four chairs, two mattresses, three sacks of rice, a bamboo ladder, pots and pans.

When they were ready to move, the horse refused to start. They wondered why. Their father said that this horse was not well and would not pull a load heavier than 700 kg. Oh! But how heavy is this load? — they asked.





The states of the second		A Ikg	200 3	
10-2	Father gave them some idea of the	Thing loaded	Weight	
	weight of each thing.	A sack of wheat	100 kg	
	* Find out the total weight they had	A sack of rice	35 kg	
	loaded on the cart.	Water tank	50 kg	
	Now they decided to remove a few	Almirah	70 kg	
	Now they decided to remove a few things from the cart.	A table	10 kg	
	unings nom the cart.	A chair	5 kg	
	* Which things should be removed so	A mattress	20 kg	
	that the weight of the load is not	Bamboo ladder	10 kg	
	more than 700 kgs?	Pots and pans	10 kg	

The things which were loaded on the cart were big in size and also very heavy. To measure the weight of such heavy and big things, we need a big balance.

But Jaiju and Mannu wanted to make their own balance. They collected a few things — a stick, two lids and a thick thread. They made this balance.

CLICK HERE

»

🕀 www.studentbro.in

\* Now you also make your own balance. Write down how you made it. Also draw a picture of your balance in the box below.





#### Activity



Mannu and Het put a pencil and a geometry box in the two pans of the balance. Which pan will go down? Why? Draw a picture to show it.



#### What is heavier?

\* Make pairs of different things and use the balance to decide which is heavier. First guess which thing will take the pan down and then check with your balance.

#### What is the heaviest?

\* Make groups of three things. For example — eraser, ball and paper. Use the balance to arrange them in order of weight – the lightest, the one with in-between weight, the heaviest. Complete the table with at least five examples.

Lightest	In-between weight	Heaviest
Paper	Eraser	Ball

#### \* Can you find your own weight using this balance?



#### **Making Weights**

Do this activity in pairs. You need a balance, weights, a cake of soap, plastic packets, sand and rubber bands. You can also take help of an older person.

Get a new cake of soap. The packet will have the weight written on it. You can use this soap to make your own different weights.

The soap weighs \_\_\_\_\_ grams (g).

Take a small plastic packet.

Put it in one pan of the balance. Put the soap in the other pan.

Slowly add sand to the packet till the pans are balanced.

Close the packet with a rubber band or string. Now stick a strip of paper and write '\_\_\_\_ g' on it.

If you put the soap and the weight you just made together in a pan, how many grams will both these weigh?\_\_\_\_\_

Now make different weights — 150 g, 200 g and 250 g. You can use soaps of different weights for this.

Also make some bigger weights of 500 g, 1000 g, and 750 g.

\* Use your weights to weigh different things and write in your notebook.

**CLICK HERE** 



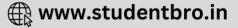


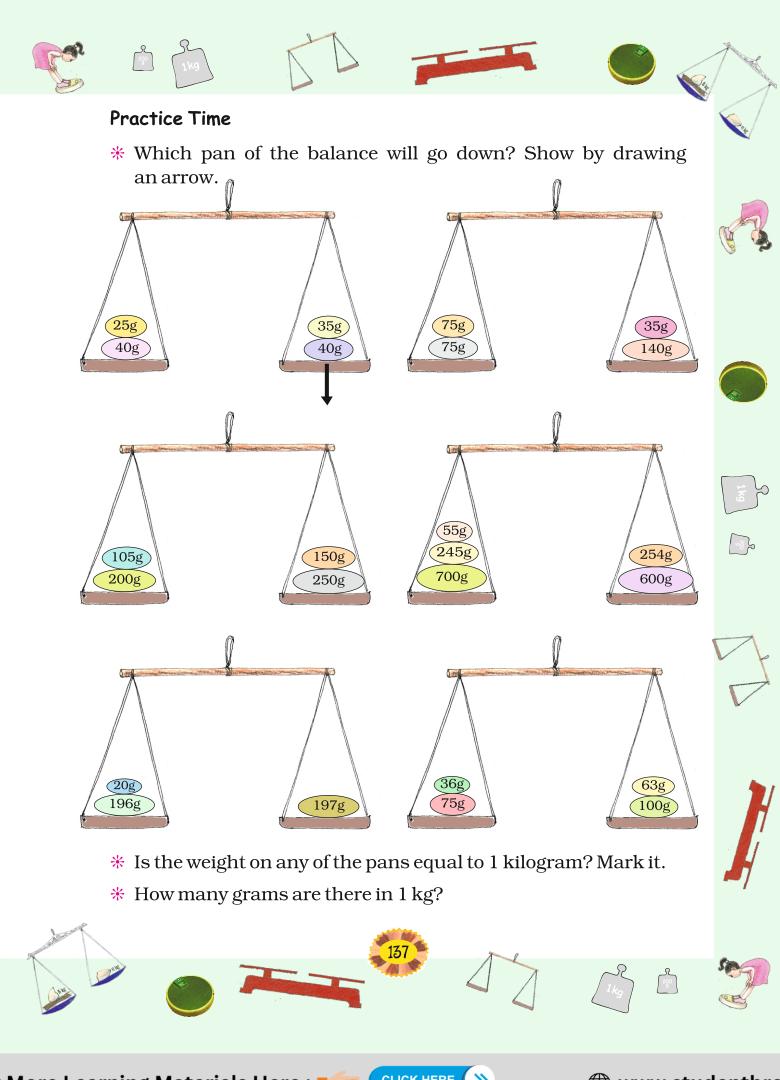




11509

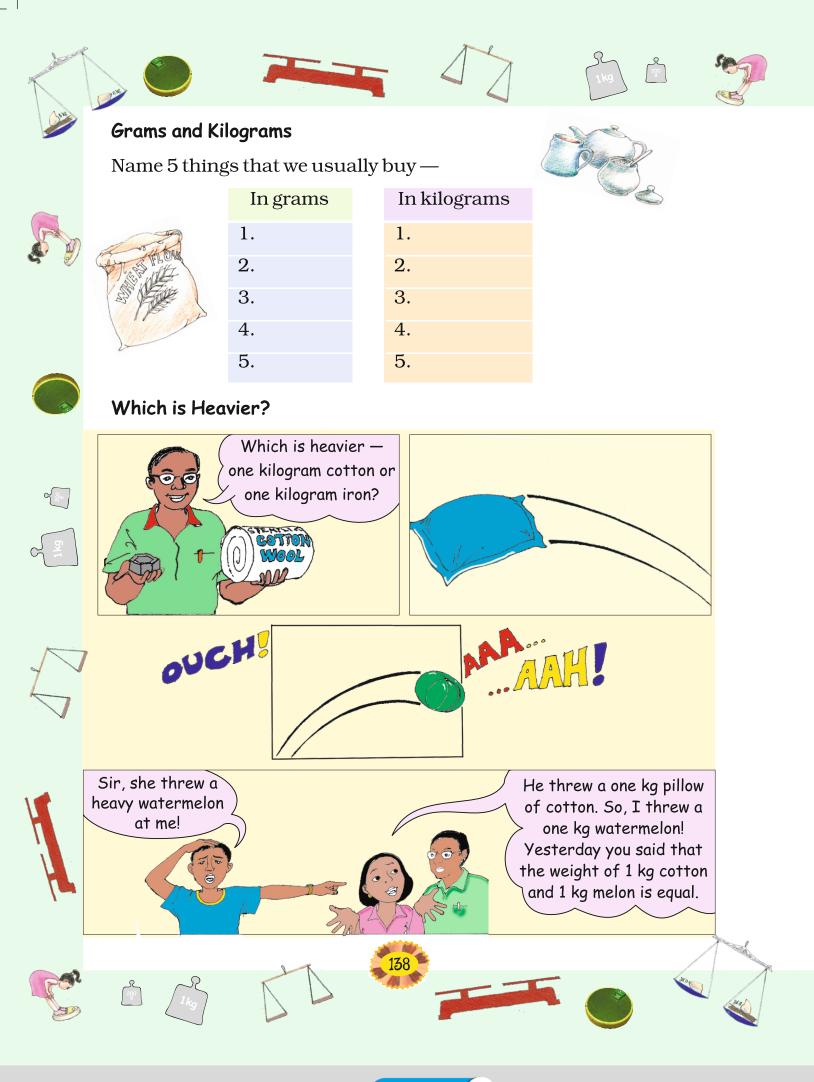






Get More Learning Materials Here : 💻

CLICK HERE



Get More Learning Materials Here :





#### **Dinesh Went Shopping**

Dinesh went to a shop and bought some things.

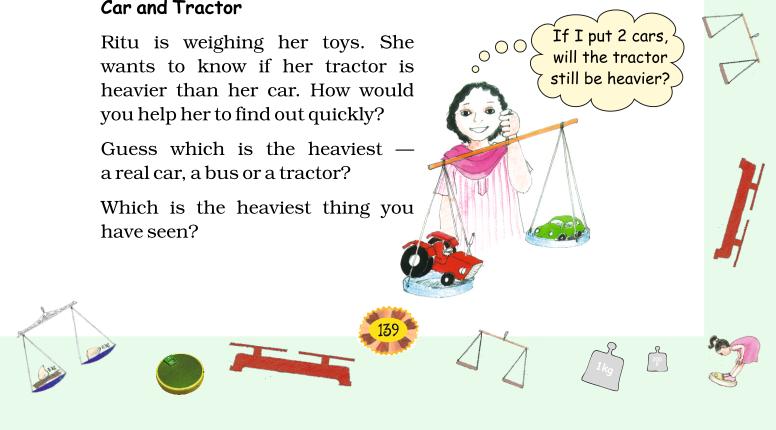
His younger brother cut the end of the bill where the weights were written.

\* Guess and write the weight of each thing he bought-in g or kg.



Items	Weight
Rice	5
Sugar	1
Mustard seeds	10
Wheat	3
Dal	500
Теа	250
Pepper	25

#### Car and Tractor



Get More Learning Materials Here :





Get More Learning Materials Here :

CLICK HERE



Get More Learning Materials Here : **\_** 









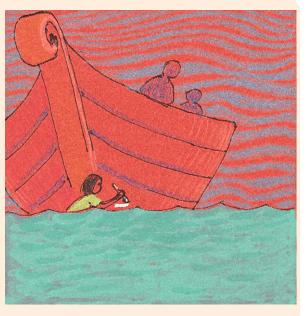


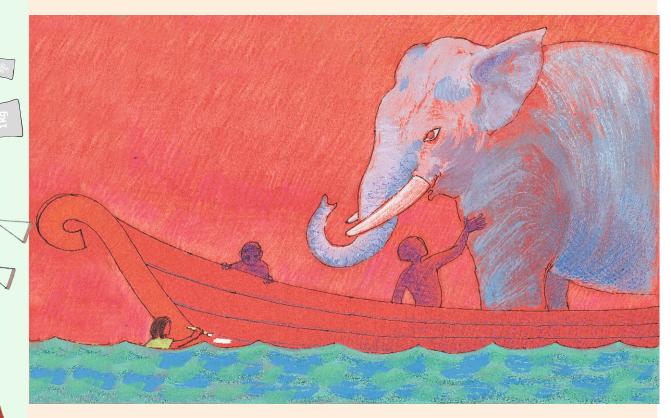


Vaidika's daughter went into the river. She marked on the boat how much it sank in the river.



Then she asked them to bring the elephant into the boat. The boat sank deeper. So she marked the new water level on the boat.

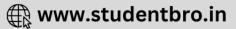




Now imagine what happened next and complete the story. Discuss with your friends how Vaidika's daughter found the weight of the elephant.

Get More Learning Materials Here : 📕







#### How Much the Chair Weighs

Anamika wants to weigh this chair using the weighing machine.



Can you suggest a way for doing this?



#### Broken Stones

Abdu sells firewood. There was a stone in his shop which weighed 13 kg. He used it to weigh firewood.

One day the stone fell down and broke into three pieces which weighed -2 kg, 5 kg and 6 kg.

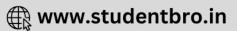


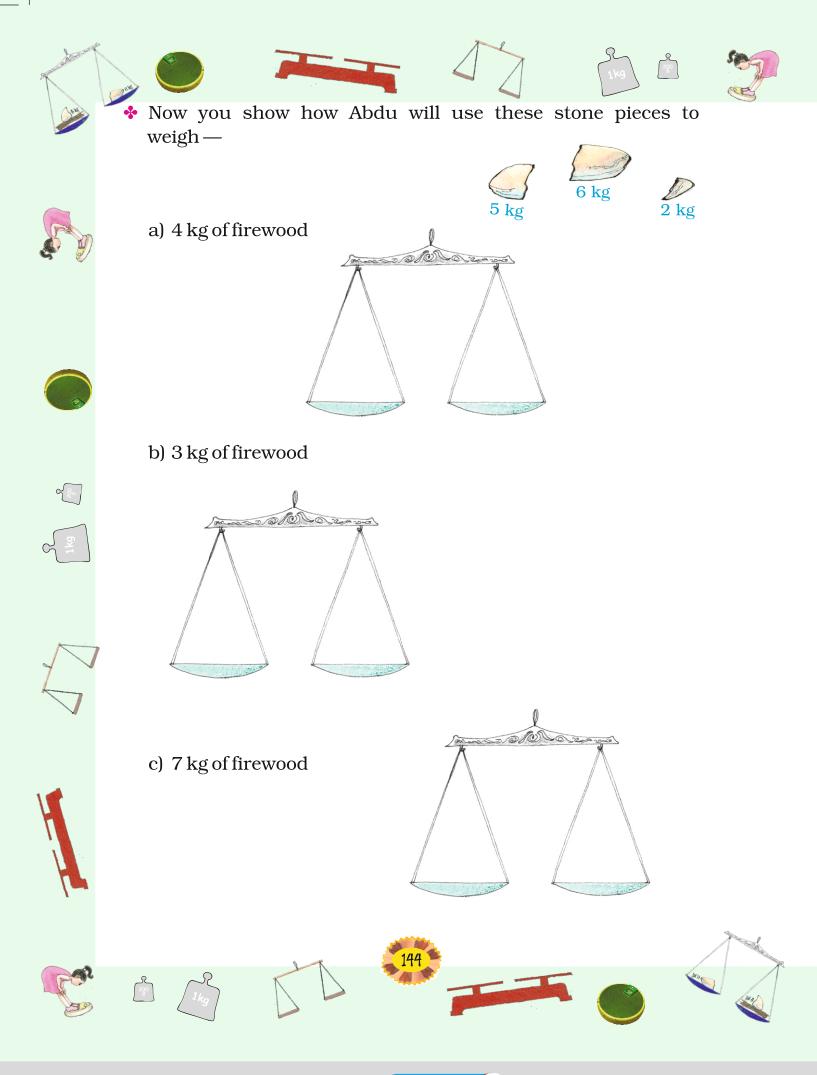
But Abdu was very smart. He used those three pieces to weigh firewood of all weights — from 1 kg to 9 kg.

Here is how Abdu weighed 1 kg of firewood –

Get More Learning Materials Here : 📕







Get More Learning Materials Here : 📕

CLICK HERE



	POST	
	Postal Items	Postal Rates (in Rs)
Sir	igle post card	0.50
Pri	nted post card	6.00
Inl	and Letter	2.50
Let	ter weighing –	
i)	20 grams or less	5.00
ii)	For every additional 20 grams	2.00
Pa	ccel weighing –	
i)	50 grams or less	5.00
ii)	For every additional 50 grams	3.00



156

EXT CLEARANCE

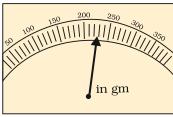
Look at the postal rates given in the chart.

- 1. How much will you have to pay for stamps on a letter weighing 50 grams?
- 2. Akash wants to send a parcel of the Math Magic textbook to his friend Rani in Chennai. The book weighs 200 g. See the chart to find the cost of posting the book.

Get More Learning Materials Here : 📕



3. Read the weight shown in the picture. Find out the cost of sending a parcel of that weight.



Parcel weight = \_\_\_\_\_ Cost of stamps = \_\_\_\_



### How Many Stamps?



Rahul needs stamps of Rupees 25 for his parcel. He went to the post office. Only stamps of  $\gtrless 1$ ,  $\gtrless 2$ ,  $\gtrless 5$  and  $\gtrless 10$  were there at that time. Using those stamps in how many different ways can he make  $\gtrless 25$ ?

Can you show five different ways? What is the heaviest parcel he can send using stamps of ₹25?

#### Our Weight Together



A frog was struggling to escape from the mouth of a crow. How can I escape? — the frog thought. Suddenly a trick came to his mind. He asked the crow — Are you good at arithmetic? If yes, then I will ask you a problem.

Your weight is 650 g and I am only 145 g. How much do we weigh together?

The crow was good at mathematics, so he happily opened his beak to answer.



🕀 www.studentbro.in

What happened after that? So what was the answer the crow wanted to give?\_\_\_\_\_

Get More Learning Materials Here :



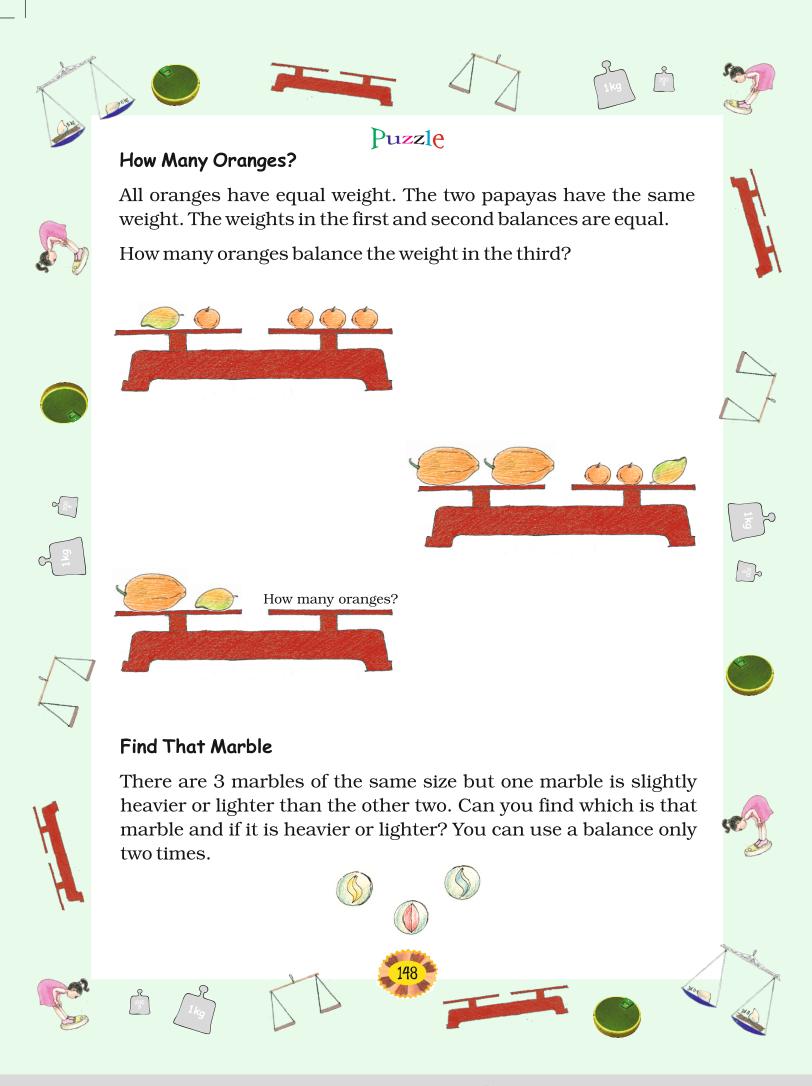
	200 30 1kg				5		A set	
	Am I Fit	or Fat?						
The chart shows the height and weight of children between								
	6 and 10	years old.						
	and they					SCO		
		Name	Age	Height	Weight			
		Temshula	6	3 feet, 7 inches	16 kg	e Co		
P		Sreekunth	10	4 feet, 3 inches	23 kg			
	AND A	Rabiya	6	3 feet, 10 inches	17 kg			
	LIL .	Vineet	8	3 feet, 11 inches	19.5 kg			
1000	00-	Kavita	9	3 feet, 10 inches	20 kg			

Now, you also fill the table by finding out the age, height and weight of any five friends.

2

in

						Can you make my	تر <u>9</u> ]
		Name	e Age	e Height	Weight	health chart?	
						S E	
					My h char	t too!	
- Contraction	and a start of the				147	The	
							No.
Get More	Lear	ning M	aterial	s Here : 🚅	CLICK HERE	» 🕀 www.stu	dentbro.



Get More Learning Materials Here :



