



G3.75 | WORD PROBLEMS ON WEIGHT & ITS MEASUREMENT

Geometry & Measurement Concepts - NCERT Chapter 8: Who is Heavier?

Students will be able to solve addition & subtraction problems on weight involving kilograms & gram

40- 50 min

PRE REQUISITES:

G3.74 Know how to compare weights of different objects in standard units

TLM



Apple shaped cut outs-10

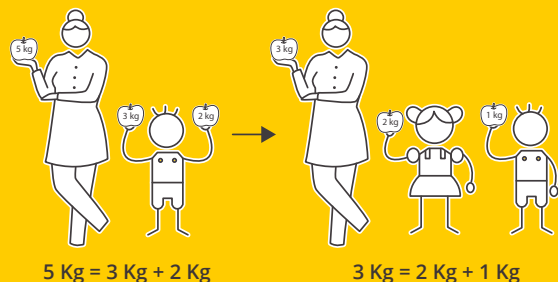
MISCONCEPTIONS

Students might not think of weight as a quantitative measure on which no. operations are possible

KEY VOCABULARY

None

PLAY



Making a weight

○ Prepare apple-shaped cut-outs with 1 Kg, 2 Kg, 3 Kg, 5 Kg & 10 Kg written on them

○ Pick the cut-out marked 5 Kg & tell the students that you have 5 Kg apples

○ Call a student & ask her to select cut-outs from the pile so that she also has 5 Kg apples

○ Explain to the student that they can make 5 Kg by adding 2 Kg & 3 Kg

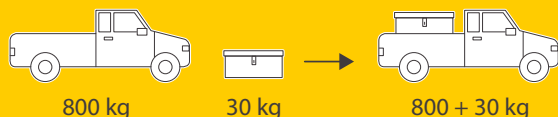
○ Provide examples: "If I buy 2 Kg apple today & then buy 3 Kg apple tomorrow, I would have 5 Kg apples in all"

○ Repeat the activity by picking up different cut-outs each time

QUESTION

How much total weight is there if two slips have 10kg & 15kg?

PROCESS



Classifying weight of different objects in standard units

○ Tell that some objects weigh much more than a Kg, for example a car, & some weigh much less than a Kg, for eg a pen

○ Tell the students that the objects which are less than a Kg are measured in grams. Use a pencil box to tell it weighs approximately 100g

○ Take another pencil box & tell the students that total weight in your hands is 100g + 100g

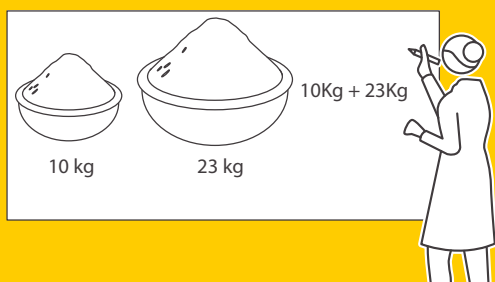
○ Write 100g+ 100g = 200g

○ Tell the students that a car weighs about 800 Kg & a trunk weighs about 30 Kgs

○ Draw car & a dog on the black board & explain that the combined weight of the two can be calculated by adding 30 to 80

○ Write 800Kg+ 30 Kg = 830 Kg

PRACTICE

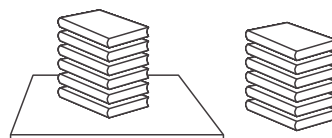


Draw the question on the blackboard & ask the students to solve

○ Help the students solve question 3 from the worksheet. Ask the students to look at the picture & tell how much total rice is shown

○ Encourage students to write units after the weight & report their answers as 33 Kg rather than 33

○ Help the students solve question 4 from the worksheet. Ask the students to look at the picture & tell the total weight after the books are removed



QUESTION

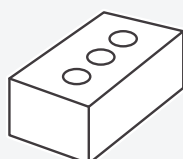
Do you know what your weight is? Can you guess your weight when you wear your school bag?



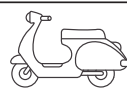
G3.75 | SIMPLE WORD PROBLEMS ON WEIGHT

WORKSHEET: GEOMETRY & MEASUREMENT CONCEPTS - NCERT CHAPTER 8: WHO IS HEAVIER?

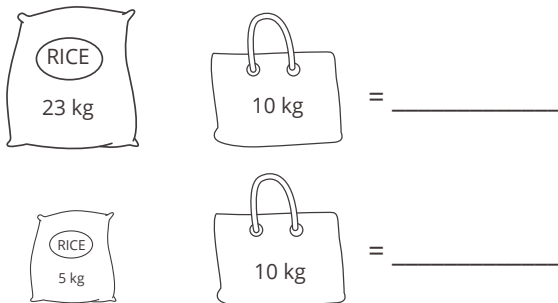
- ① SOLVED EXAMPLE : Add the weights of objects shown:

Object 1	Object 2	Sum of Objects
 5 kg	 3 kg	 8 kg

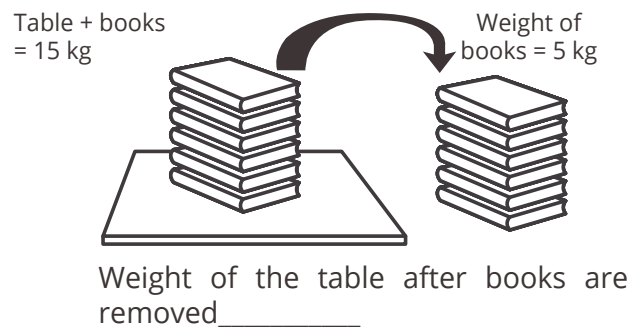
- ② Find the difference between the weights of objects shown

Object 1	Object 2	Difference
 100 g	 250 g	
 2000 kg	 500 kg	

- ③ Look at the picture & tell the total weight of rice shown



- ④ Look at the picture tell weight of the table after the books are removed



- ⑤ Observe the following chart & answer the questions

Object	Sum of Objects
Cumin	100 grams
Red chilli	50 grams
Atta	2 Kg
Cloves	25 grams

- a. Add weights of all items that are less than 100 gram
b. How much more does red chilli weigh than cloves?

- ⑥ Subtract the weights

- a. $34 \text{ Kg} - 23 \text{ Kg} = \text{_____ Kg}$
b. $45 \text{ Kg} - 16 \text{ Kg} = \text{_____ Kg}$



Estimate the weight of your family members & write here.

Write the difference between your weight & the weight of each of your family member