

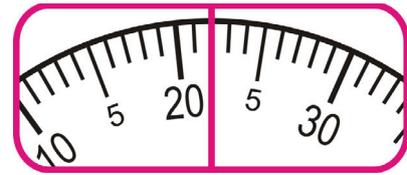
# Weight in Kilograms

Weight means *how heavy* something is. You can measure weight using *scales*. Bathroom scales measure weight in *kilograms* (abbreviated kg).

The scales usually have short lines for each kilogram increment, and long lines for each 10 kilograms. In the picture below, the in-between numbers ending in “5” are marked with the number 5.

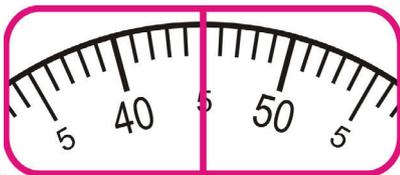
In this lesson, you need to use bathroom scales that measure weight in kilograms. You will also need

- a bucket and water
- encyclopaedias or some other fairly heavy books
- a plastic bag or some other bag
- a backpack

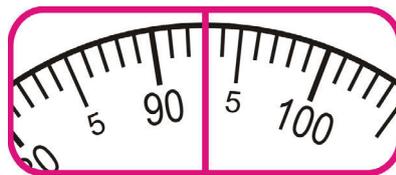


The scales are showing 22 kg.

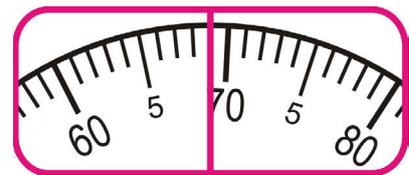
1. How many kilograms are the scales showing?



a. \_\_\_\_\_



b. \_\_\_\_\_



c. \_\_\_\_\_

2. Step onto the scales. How much do you weigh? \_\_\_\_\_ kg

3. Find out how many kilograms your family members weigh. Write a list below.

\_\_\_\_\_ kg                      \_\_\_\_\_ kg

\_\_\_\_\_ kg                      \_\_\_\_\_ kg

\_\_\_\_\_ kg                      \_\_\_\_\_ kg

4. Also, weigh some of your family members together.

\_\_\_\_\_ and \_\_\_\_\_ together weigh \_\_\_\_\_ kg.

\_\_\_\_\_ and \_\_\_\_\_ together weigh \_\_\_\_\_ kg.

5. Now weigh some other items with the bathroom scales. Note: you cannot weigh very light items on it. You also cannot weigh very big and bulky items (such as tables) on it because you can't place them fully on the scales. Try to find objects that are not very big.

a bucket full of water \_\_\_\_\_ kg      Mum's frying pan \_\_\_\_\_ kg

a bucket half full of water \_\_\_\_\_ kg      \_\_\_\_\_ kg

a stack of heavy books \_\_\_\_\_ kg      \_\_\_\_\_ kg

6. Find out how many kilograms of water you can carry. Can you carry the bucket when it is full? If not, pour out some water until you can carry the bucket.

I can carry a bucket of water that weighs \_\_\_\_\_ kg.

7. a. Find out how many kilograms of books you can carry in a bag. Fill the bag with books and weigh it. Can you carry it? If not, take out some books until you are able to carry the bag.

I can carry a bagful of books that weighs \_\_\_\_\_ kg.

b. The same as above, but use a backpack.

I can carry a backpack that weighs \_\_\_\_\_ kg.

c. Weigh yourself with and without the heavy bag of books.

I weigh \_\_\_\_\_ kg. I weigh \_\_\_\_\_ kg with the heavy bag.

What is the difference? \_\_\_\_\_ kg.

You can use this method to weigh items that cannot easily be placed on the scales, but that you can hold.

d. Weigh yourself with and without a heavy book.

I weigh \_\_\_\_\_ kg. I weigh \_\_\_\_\_ kg with the heavy book.

What is the difference? \_\_\_\_\_ kg. So, the book weighs \_\_\_\_\_ kg.