



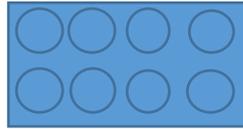
Year 2 Maths Tasks – Monday 29th June 2020 **Answers**

Our topic for this week is about measuring mass and volume.

Parents: Mass of an object is the amount of matter the object contains. The greater the mass the heavier the object is. The lesser the mass the lighter the object is. Weight is the mass of an object exerted on by the gravity of the Earth giving rise to a downward force. Although the children do not need to understand in this amount of detail, they do need to understand what mass is and how we measure it in units such as grams and kilograms.



Light mass



Heavy mass

In the activity today the children will be looking at scales to measure mass. They would be best looking at the scale first and working out what each of the markings represents (50 grams or 100 grams) and then looking at where the needle on each scale is to read the mass in grams or kilograms.

When hunting for items as part of the investigation you could ask children, for items that do not have their weight on them, whether they think they would be measured in grams or kilograms. Ideally you could use kitchen scales for children to get some experience of items which weigh up to 1000 grams (1 kilogram), such a bag of sugar, to help children to get some context about what a kilogram is like as a mass.

Children: Mass is the amount of matter inside an object. If an item has a large mass it has a lot of matter inside it which means that it is heavy. If an item has less matter inside it the mass is smaller and it is lighter.



Light mass



Heavy mass

We measure mass in grams if something is light. When an object reaches 1000 grams we say that it weighs a kilogram. So light items are measured in grams and heavier items are measured in kilograms. Often we use measuring scales to measure the mass of objects.

To find the mass of an object in grams or kilograms look carefully at the scale.

Is each section worth 100g? Is each section worth 50g? Then see where the needle of the scale has reached to read the mass.



This scale has large blue lines which are worth 100 grams (this is what g means on the scale). They go up in 100 grams all the way to 1000 grams which is a kilogram (1 kg). The little red lines represent 25g because there are four sections on the red scale in between each 100 gram. The needle here points to 1 kg which is 1 kilogram. So the letter weighs 1 kilogram.

1. Mental maths activities

Please go online and work on the following activities:

*Mostly postie game- matching the weight of the postcards to their measurement on the weighing scales

<https://www.ictgames.com/mobilePage/mostlyPostie/index.html>

answers in steps of 100g as well as answers in steps of 50g as a challenge

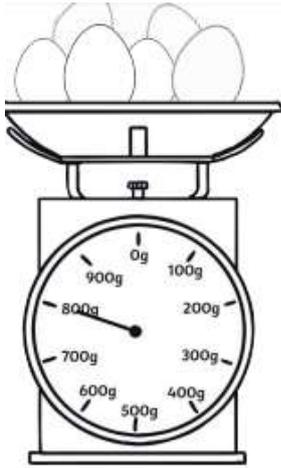
*Daily 10 game- fractions to revisit last week's work

<https://www.topmarks.co.uk/maths-games/daily10>

2. Watch the following home learning video.

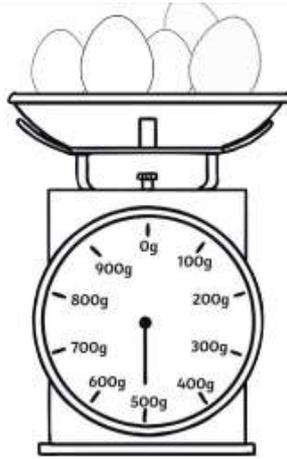
<https://whiterosemaths.com/homelearning/year-2/>

3. Calculate the mass of the following eggs which were laid by Mrs Sealey's chickens.



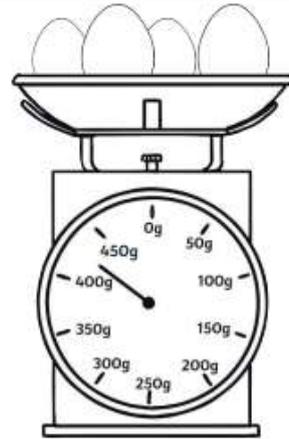
a. _____

Chicken A 800g



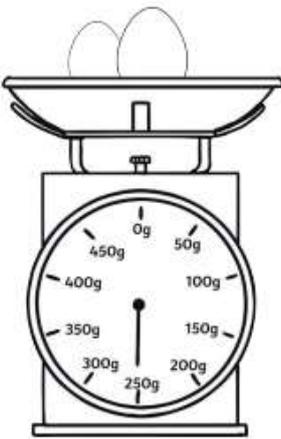
b. _____

Chicken B 500g



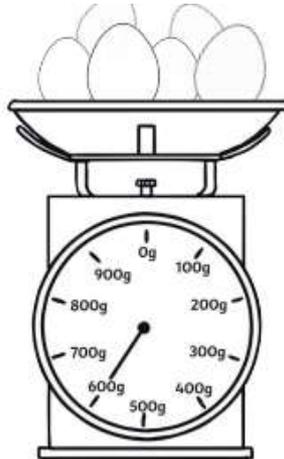
c. _____

Chicken C 425g



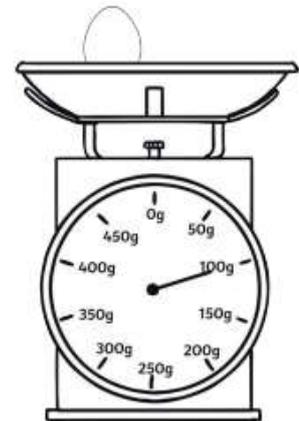
d. _____

Chicken D 250g



e. _____

Chicken E 600g



f. _____

Chicken F 100g

Which chicken a to f laid the lightest eggs? Which chicken a to f laid the heaviest eggs?

The lightest egg was laid by Chicken F. The heaviest egg was laid by Chicken A.

Challenge- can you order the weight of the eggs?

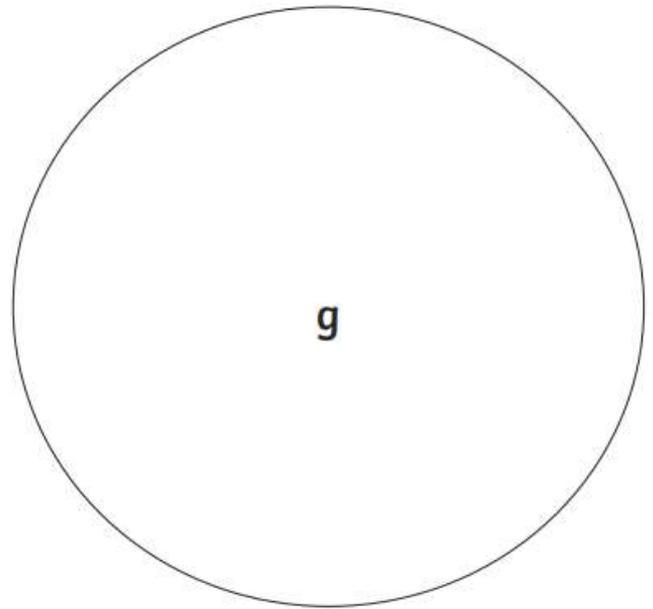
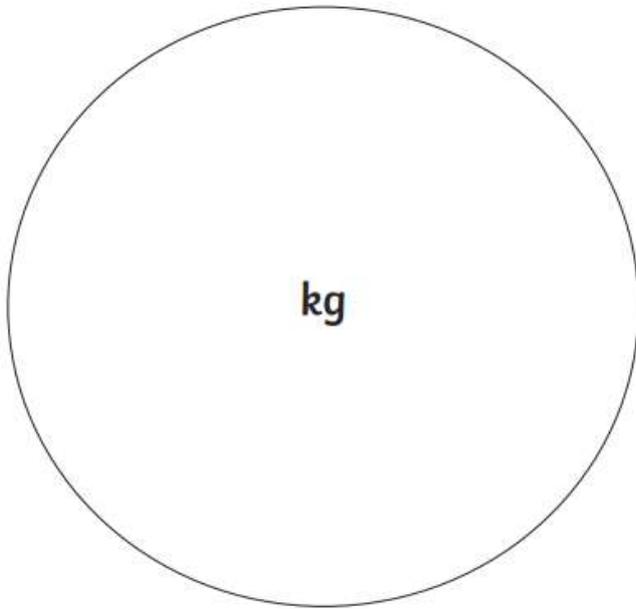
The order of the eggs from lightest to heaviest is: F, D, C, B, E, A

The order of eggs from heaviest to lightest is: A, E, B, C, D, F

4. Mass investigation

Look around your house and see if you can find objects and their weights. Which would weigh kg? Which would weigh g? Can you find objects which tell you their weight? What are their weights? Why do you think they might have their weights on their containers or wrappings?

Record what you have found below.



Examples of different items children might find:

Kilograms

Washing machine

Fridge

Freezer

Wardrobe

Ornaments (large ones)

Parents

Table

Chairs

A bag of sugar

Bed

Side units

Sofas

Larger toys

Animals (e.g. dogs, cats and rabbits)

Grams

Toys

Clothes (some smaller items)

Ornaments (smaller ones)

Cooking items

Store cupboard items

Snack items

Fruit and vegetables

Small animals (e.g. hamsters, goldfish)- if you are feeling brave and have hamsters you could weigh them 😊

Magazines

Books

