Maths - Year 3

Measurement 5: Measuring and calculating with grams and kilograms

Key Vocabulary

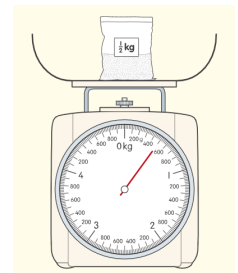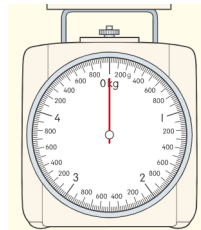|	
Grams (g)	A unit used to measure weight.
Kilograms (Kg)	A unit used to measure weight. 1000g = 1kg
Mass	The amount of matter in an object, measured in grams or kilograms.
Frequency	How often something happens.
proportion	Used to express a fraction of a whole e.g. half of the grapes are green.

Mathematical Skills

- Read and measure out quantities of dry ingredients.
- Correctly double amounts to 'scale up' a recipe.
- Collate and read data using a tally chart.
- Create a bar chart to present data from a table.
- Use a chart to analyse data and draw conclusions.
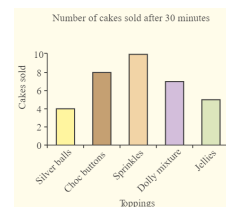
Mathematical Methods

- Using a dial weighing scale.

- Exploring the relationship between kilograms and grams, using a dial weighing scale.

- Scaling amounts of ingredients e.g. working out how much of each ingredient is needed if we double the recipe.

- Calculating how much left over e.g. I buy a 500g block of butter. I use 220g for my cake. How much butter is left over?

- Measuring out (accurately) ingredients for making cakes.

- Handling money and recording sales data e.g. creating price lists and calculating totals.
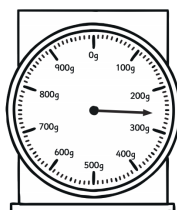
- Presenting sales data in a bar chart.

Type of cake (20 of each)	Tally	Number sold after 30 mins
Silver balls	IIII	4
Chocolate buttons	ⅢⅢ III	8
Sprinkles	ⅢⅢ ⅢⅢ	10
Dolly mixture	ⅢⅢ II	7
Jellies	ⅢⅢ	5

Can you..?

- What is the reading on the scale?

Vegetable Soup
Serves 1

- 200g chopped carrots
- 1 tablespoon of oil
- 500ml stock
- 150g onions
- 75g celery

- Re-write the Vegetable Soup recipe for two people.

- Ron has 4 candles. If the total mass is 200g, what is the mass of 1 candle?