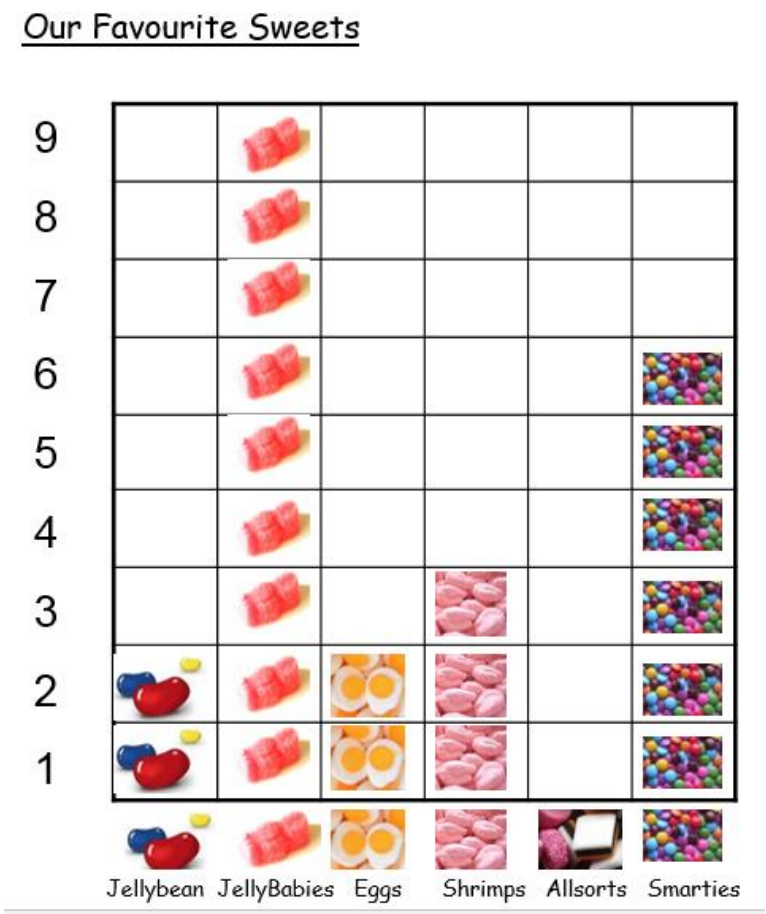
Collecting and recording

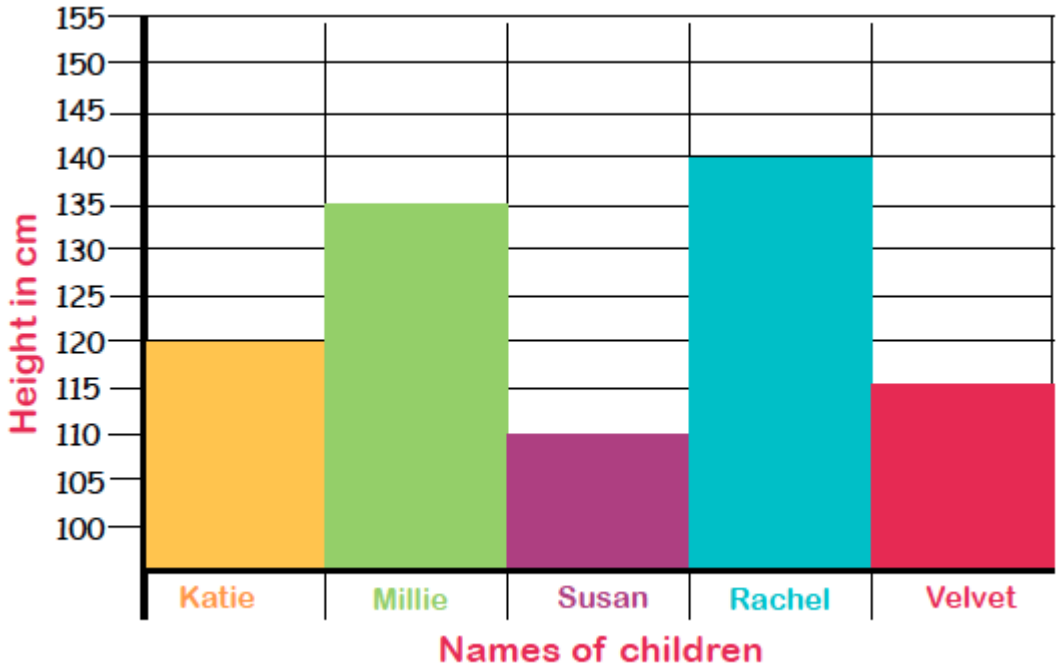
Day 3

What to do:

- Choose an area of your garden or school field about 1m by 1m or a particular corner of your room at home if it is raining.
- In a bucket or a tray collect all the loose items in that area e.g. pebbles, twigs, leaves, seeds or books, pens, cushions.
- Count up the other things that can't be collected e.g. the bird table, flowers that should not be randomly picked.
- Now make a tally chart of all the things you have collected or recorded.
- With your results you are going to draw either a pictogram or a bar chart. There are examples of both on the next slide.
- Now make up some questions about your chart.

Pictograms and Bar Charts.





Finding an average

- Choose one of your groups of items that you can measure the length of or can weigh e.g. twigs, pebbles, pencils
- Measure the length of each twig or pencil in cms or weigh each pebble in grams.
- What is the average length or weight of your chosen item?
- Can you remember how to do this calculation? There is help on the next slide if not.
- If you wanted to you could find out about the mode, the median and the range.

An example of finding a mean average

- I have collected 7 twigs
- Here are the measurements : 8cm, 5cm, 5cm, 6cm, 10cm, 7cm, 8cm
- I add together all the measurements = 49
- Then I divide by the number of twigs I collected. So 49 ÷ 7 = 7
- The average length of my twigs is 7cm