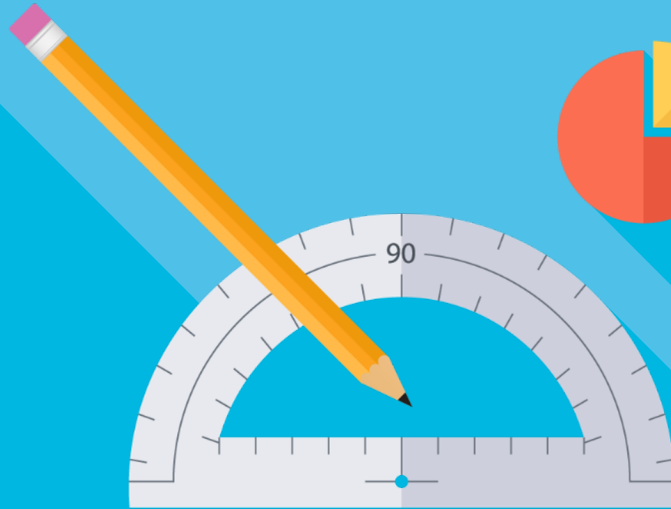


Thursday

Term 4 Week 3



Data

WALT:

- Describe and interpret data presented in tables, dot plots, column graphs and line graphs

Tables

"What sport do you play?"

Sport	People
Soccer	106
Tennis	45
Gymnastics	54
Swimming	82
Track	68

We can see this table is displaying what sport people play and the amount of people playing each sport.

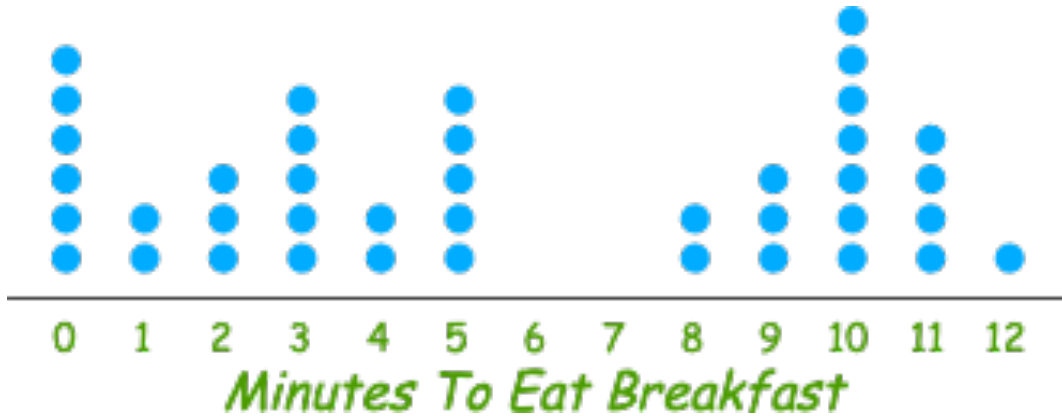
We can see from the data that Soccer is the most popular sport and Tennis is the least popular sport.

We can also see that 355 people were surveyed.

How could we add more information to this table?

Who was surveyed? Were they male or female?

Dot Plots



We can see this dot plot is displaying the amount of time it takes people to eat breakfast.

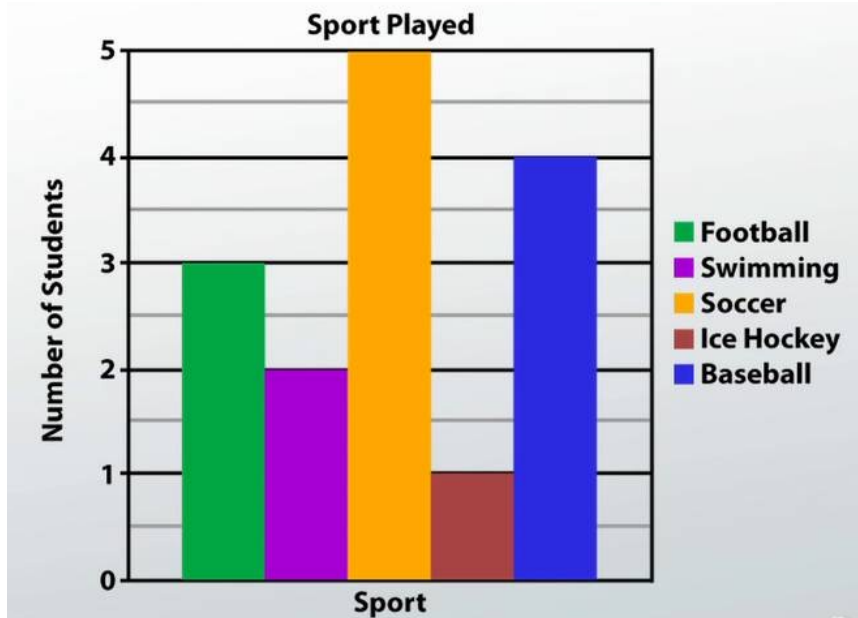
We can see from the data that the most common time was 10 minutes.

We can see that 40 people were surveyed.

What is this dot plot missing?

A key (how many people does each dot represent), was this a one off survey?
Who was surveyed? Did they eat the same breakfast?

Column Graphs



We can see this column graph is displaying data on the sports that are played by students.

We can see the key on the side and both X and Y axis are labelled.

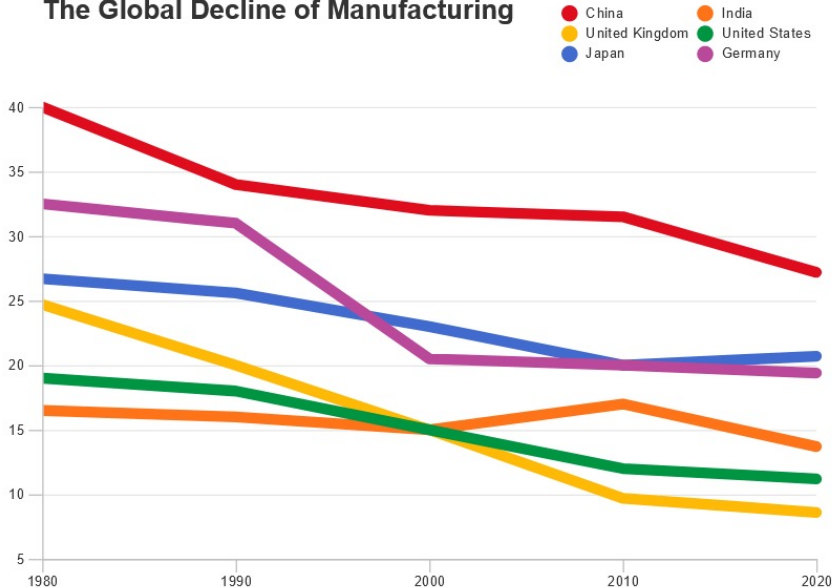
We can see that Soccer is the most popular sport played and Ice Hockey is the least popular.

What features of this graph are done well?

It is clearly labelled, we can see it was students who were surveyed and the key allows us to interpret the corresponding colours.

Line Graphs

The Global Decline of Manufacturing



Source: Statista.com

We can see this line graph is displaying data on the global decline of manufacturing.

We can see the key at the top, each country represents a different colour.

We can easily compare each country and the global decline using the labelled x and y axis.

What features of this graph are done well?

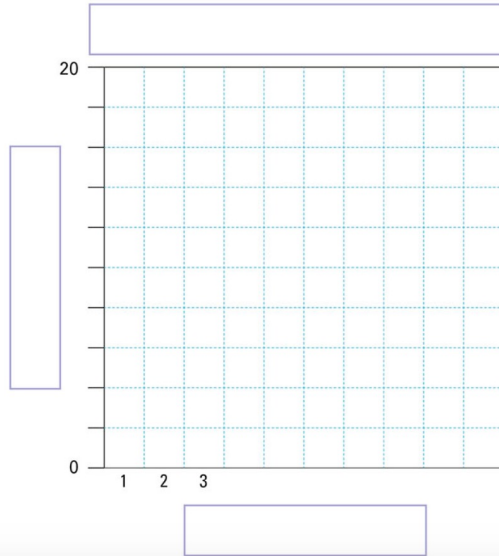
It is clearly labelled and the key allows us to interpret the data easily.

Extension

- 1 These are Eva's spelling scores out of 20 during the term.
Represent the data on a line graph.

Week	1	2	3	4	5	6	7	8	9	10
Score	20	18	19	14	6	16	20	20	17	15

- a Complete the numbering for the vertical axis and the horizontal axis.
- b Write a title for the graph.
- c Write appropriate labels for the horizontal and vertical axes.
- d Plot the data, then join up each point.



Use the following data to create a line graph.

Ensure you label the x and y axis, write a title and write appropriate labels.

Plot the data, then join up each point.

Challenge/ Additional Task

To complete this task, you must do the extension task.
Answer the following questions in relation Eva's spelling
results.

- a** In which weeks did Eva score 100%? _____
- b** Describe the change in scores between weeks 5 and 7.

- c** In which week do you think Eva did not do her homework? _____
- d** True or false? Eva's average score was more than 16 out of 20. _____
- e** Between which weeks was the rise in scores the biggest? _____