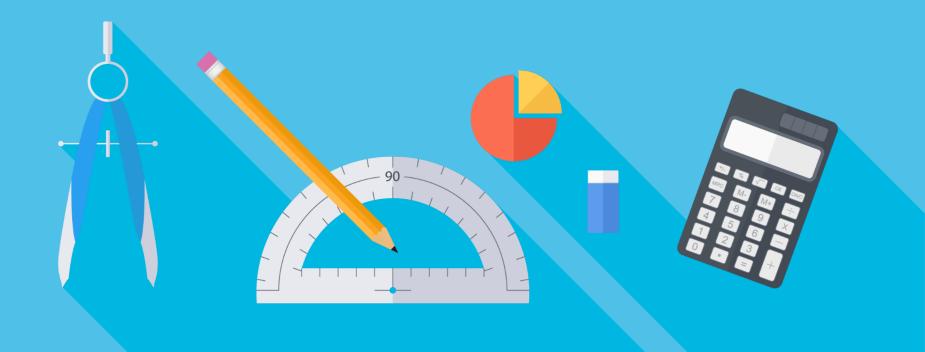
Thursday Term 4 Week 3



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

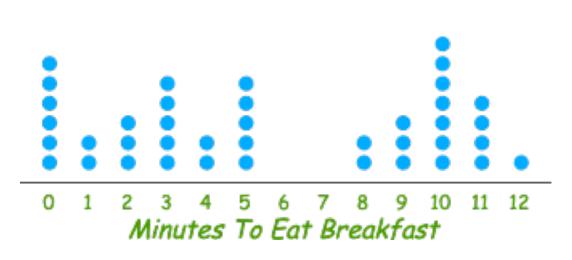
We can see this table is displaying what sport people play and the amount of people playing each sport.

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.

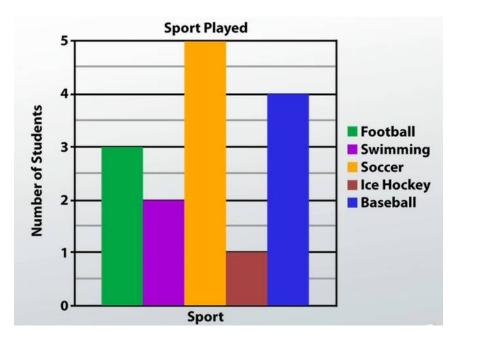
We can see from the data that the most common time was 10 minutes.

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.

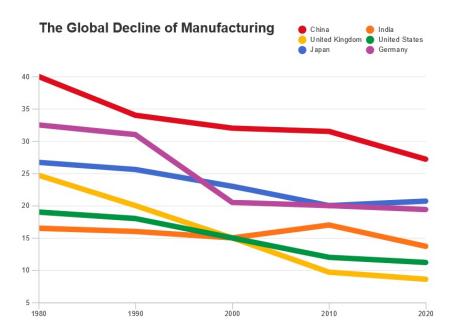
We can see the key on the side and both X and Y axis are labelled.

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



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.

Source: Statista.com

BLUE	RED	GREEN		
Class 5T took the noon temperature for 20 days: 19°, 18°, 20°, 19°, 20°, 20°, 20°, 19°, 18°, 20°, 19°, 20°, 19°, 20°, 19°, 20°, 19°, 20°. a) What type of data did they collect? b) Complete the table below using the data collected. c) Complete a dot plot using the data collected. collected.	 There are a lot of vowels used in the 40 words of this joke. A monkey goes into a café and points to a picture of a cheese sandwich. "That's strange!" says one waitress to another. "A monkey is ordering a cheese sandwich." "I know!" says the monkey. "I Usually order a hot dog". a) Find out how often each vowel is used. Make an accurate tally of the number for each vowel. b) How reliable do you think this data is, as an indicator of the most frequently used vowels? Why? 	 The graph below displays the amount of money Tim had. In week 1 he had \$5. a) By week 3, how much did he have in total? b) What is the average amount of money he has per week? c) Which week did he earn below average? d) If he was offered a deal of making the same amount of money each week, as week 2, would he earn more money over the 4 weeks? 		
This is a tally chart showing how many pupils in a class get to school. How many people travel by car and bus? Type of Transport Number Seen Bicycle M M M Car M M M M Train III Bus M M M A year 5 class was given ice cream to sell.	This chart shows many people visited a skiing chalet throughout the year. How many people visited altogether in the 2 busiest months?	This is a graph showing the kilometres travelled over a period of time while riding a bike. What is the difference between the distance most travelled and the distance least travelled?		
 a) How many ice creams were sold on Monday? b) By how much did sales increase between Wednesday and Thursday? c) What is the difference between the day with the most sales and the least sales? 	A group collected data about the number of stickers they earned. Use the data to make a picture graph. Person Tran Eva Sam Jo Jack Tally J# J# JH J# J# JH J# J# JH J# J# J# J# J# J# J#	Use the following data to create a graph of your choice.Player Coints in Coint		

most sales and the least sales?

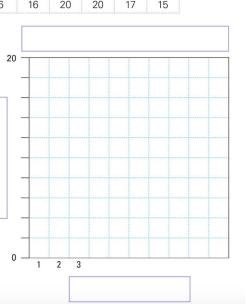
Extension

These are Eva's spelling scores out of 20 during the term.

Represent the data on a line graph.

Week										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.
- 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?