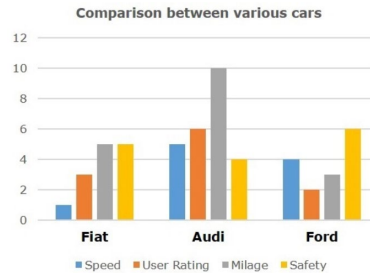# TYPES OF DATA AND GRAPHS
Statistics

Key Concepts

Discrete data: data that can be categorised into a classification, there are a finite number of classifications.
E.g. Hair colour, shoe size, number of children in a class.

Continuous data: data that can take any value. Data that is measured.
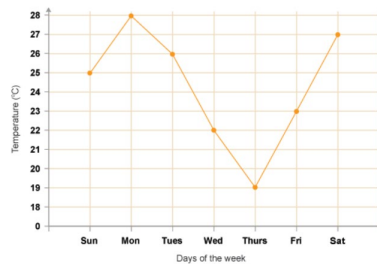E.g. Height, weight, time.

Qualitative data: data that describes something.
E.g. Race, ethnicity.

Quantitative data: data that is in numerical form.
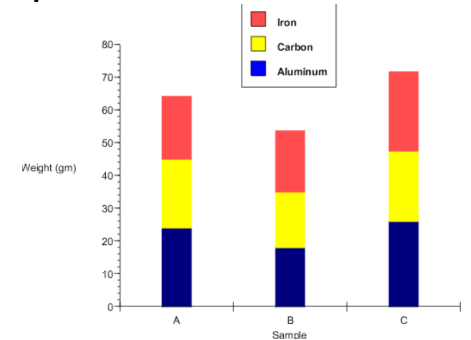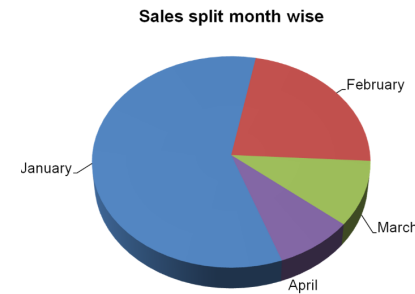E.g. Statistics, percentages, time.

Examples

Comparative bar charts

Comparison between various cars

Tally charts

Colour	Tally	Frequency
Red	ЖЖ ЖЖ |||	13
Blue	ЖЖ ||||	9
White	ЖЖ ЖЖ ЖЖ ЖЖ ||||	24
Black	ЖЖ ЖЖ ||	12
Other	ЖЖ ||||	9

Composite bar charts

Line graphs

Pie charts

Sales split month wise

Pictograms

= 6 cupcakes
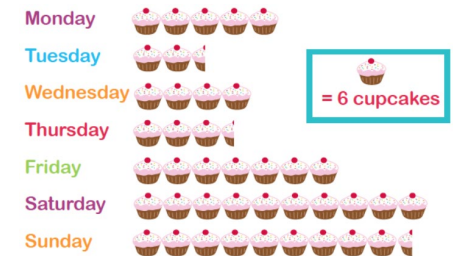
15, 16, 63, 64, 65

Key Words
Data
Discrete
Continuous
Qualitative
Quantitative
Graph

What types of data is each of the following?
1) Number of goals scored in a match
2) Eye colour
3) Time it takes to run 100m
4) Length of a car
5) Number of pets a person owns

ANSWERS: 1) Discrete, quantitative 2) Discrete, qualitative 3) Continuous, quantitative 4) Continuous, quantitative 5) Discrete, quantitative