## Year 7 Knowledge Organiser: Unit 1 Analysing and Displaying Data S/C

What you need to know:
2. Pictograms


## 3. Bar Charts



1. Frequency Tables

| Number of marks | Tally marks | Frequency |
| :---: | :--- | :---: |
| 1 | HH II | 7 |
| 2 | HH | 5 |
| 3 | HH \| | 6 |
| 4 | HH | 5 |
| 5 | II | 3 |
| Total |  | 26 |



## Key terms:

Averages: Mean, Mode, Median \& Range

Discrete Data: This is data that be counted and can only take certain values.

Most Likely: The likelihood of something happening.

Data Collection: Is a process of gathering information

Hegarty maths clip numbers:
Averages: 404-421
Displaying Data 1: 422-436
Displaying Data 2: 437-454

## Key Facts:

1. Frequency Tables: Shows a record of how often each value in a set of a data occurs.
2. Pictograms: Uses pictures or symbols to show the value of the data. Each Pictogram needs a key
3. Bar Charts: Represents data as vertical blocks. Has an x \& y axis labelled. Each bar has to be the same width.
4. Line Graph: Points connected by a straight line to show how data changes in values

## Year 7 Knowledge Organiser: Unit 1 Analysing and Displaying Data C/E

What you need to know:

## 2. Pictograms



## 3. Bar Charts



1. Frequency Tables

| Number of marks | Tally marks | Frequency |
| :---: | :--- | :---: |
| 1 | HH \|| | 7 |
| 2 | HH | 5 |
| 3 | HH \| | 6 |
| 4 | HH | 5 |
| 5 | III | 3 |
| Total |  | 26 |



## Key terms:

Averages: Mean, Mode, Median \& Range

Discrete Data: This is data that be counted and can only take certain values.

Most Likely: The likelihood of something happening.

Data Collection: Is a process of gathering information

Hegarty maths clip numbers:
Averages: 404-421
Displaying Data 1: 422-436
Displaying Data 2: 437-454

## Key Facts:

1. Frequency Tables:

Shows a record of how often each value in a set of a data occurs.
2. Pictograms: Uses pictures or symbols to show the value of the data. Each Pictogram needs a key
3. Bar Charts: Represents data as vertical blocks. Has an x \& y axis labelled. Each bar has to be the same width.
4. Line Graph: Points connected by a straight line to show how data changes in values

## Year 7 Knowledge Organiser: Unit 1 Analysing and Displaying Data C/E



## Key Facts:

1. Two Way Tables: A table that organises data around 2 categories. All columns and rows need to add up.
2. Pie Charts: These are used to show how data splits into its constituent parts. When drawing a pie chart, divide 360 by the total frequency. This will tell you how many degrees to use for each category. All sectors need to be labelled
3. Compound/Composite Bar Charts: Bar Charts that show data stacked on top of each other.
4. Comparative/Dual Bar Charts: Bar Charts that show data side by side.

Hegarty maths clip numbers:
Averages: 404-421
Displaying Data 1: 422-436
Drsolaying Data 2: 437-454


