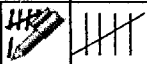




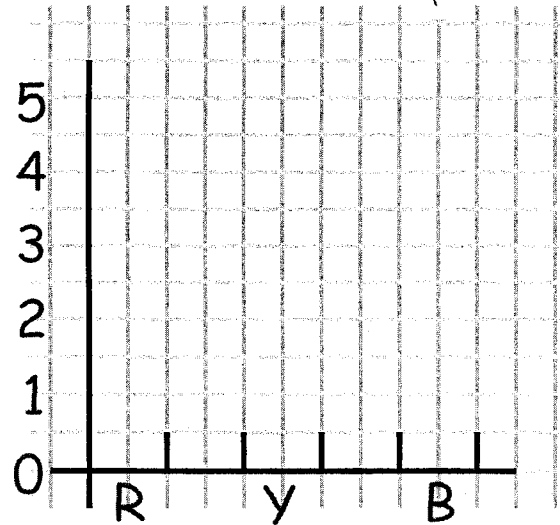
STATISTICAL DIAGRAMS

Page	Description
1	Tally chart, pictogram, bar chart and pie chart
2	Frequency Diagram and bar chart
3	Draw pie charts
4	Read pie charts
5	Scatter graphs
6	Box plots
7	Cumulative frequency
8	Cumulative frequency
9	Draw a histogram
10	Read from a Histogram

Favourite Colours

Favourite Colour


Colour	Tally	Total
Red		
Yellow		
Blue		



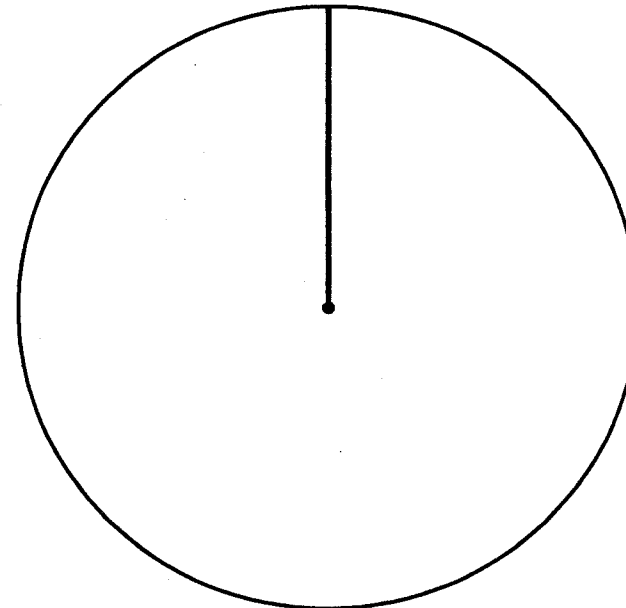
Bar Chart

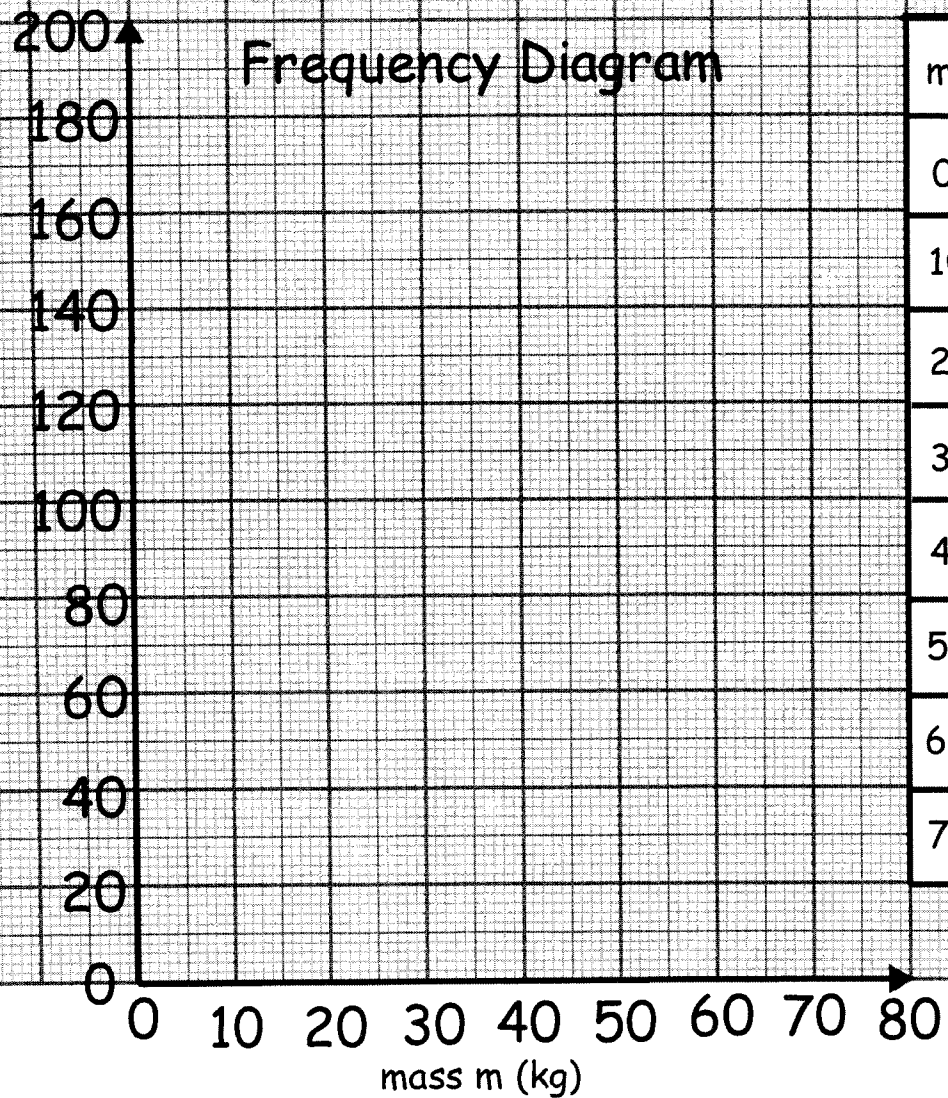
Pictogram

Colour	
Red	
Yellow	
Blue	

 represents 2

Pie Chart

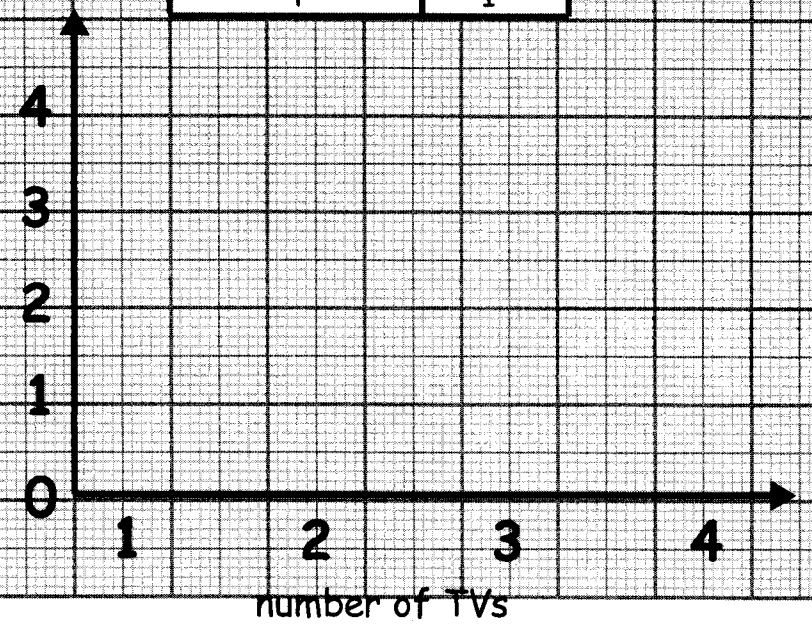




mass m (kg)	frequency
$0 \leq m < 10$	20
$10 \leq m < 20$	80
$20 \leq m < 30$	100
$30 \leq m < 40$	160
$40 \leq m < 50$	200
$50 \leq m < 60$	140
$60 \leq m < 70$	60
$70 \leq m < 80$	40

Bar Chart

number of TVs	frequency
1	3
2	4
3	2
4	1



Draw a bar chart for this information on number of TVs per household.

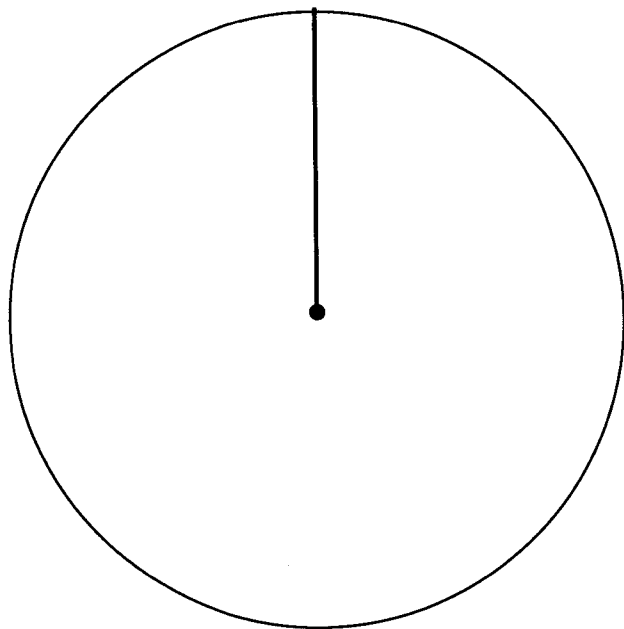
Draw a frequency diagram for this information on mass of a group of people.

Tally Chart of favourite drinks in Year 7

Drink	Tally	Total
Coke		4
Fanta		2
Lilt		1
Tango		1

Total

Angle per vote is $360 \div$

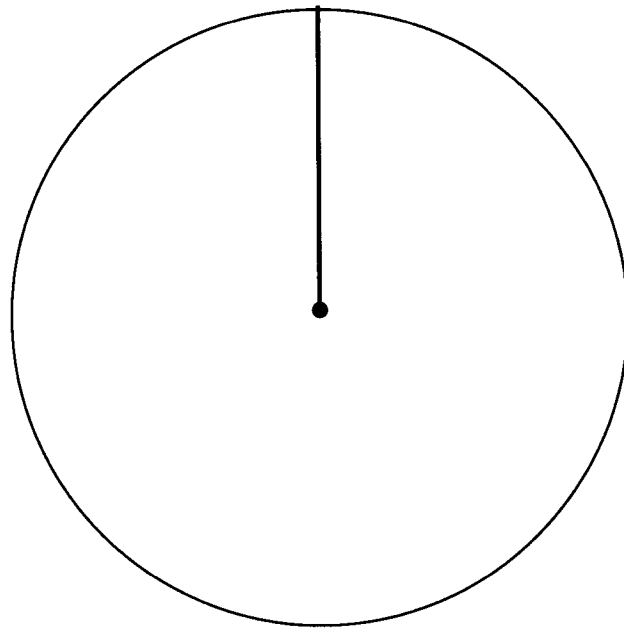


Tally Chart of favourite pet in Year 7

Drink	Tally	Total
Dog		3
Cat		2
Fish		3
Rabbit		1

Total

Angle per vote is $360 \div$

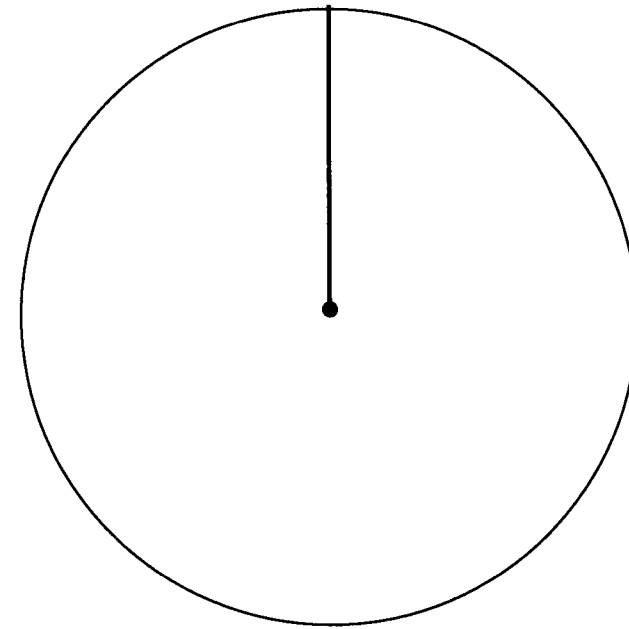


Tally Chart of favourite Channel in Year

Drink	Tally	Total
BBC 1		5
BBC 2		2
ITV		4
C4		1

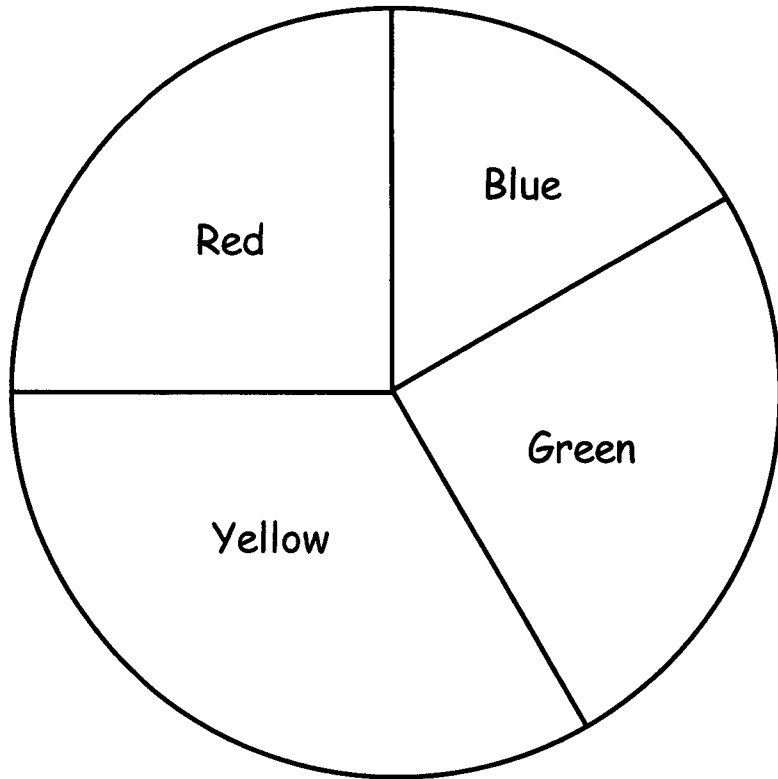
Total

Angle per vote is $360 \div$



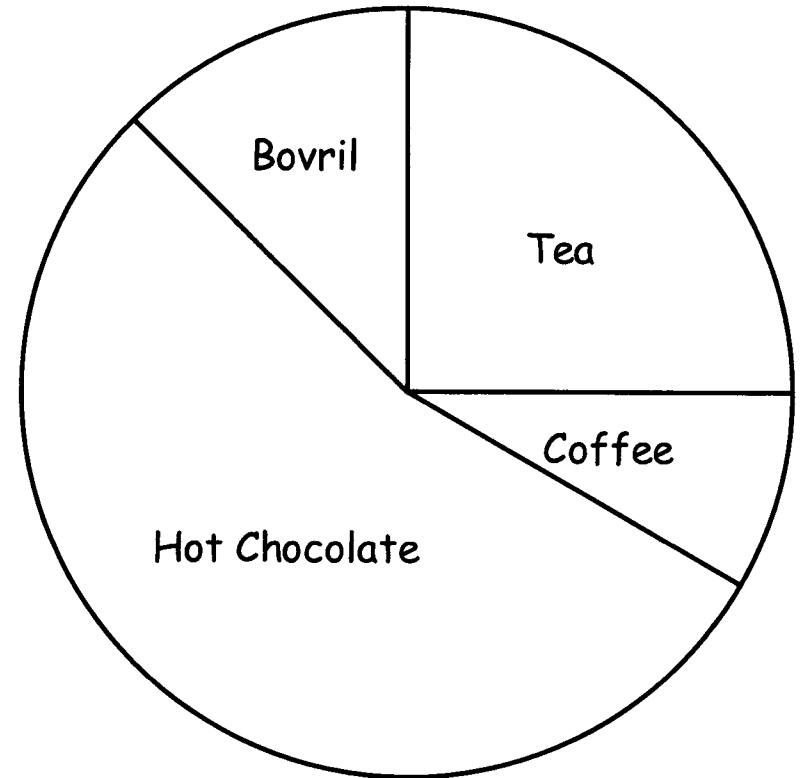
Interpreting a Pie Chart

60 people were asked about their favourite colour.



Colour	Angle	Frequency
Blue		$\frac{\text{Angle}}{360} \times 60 =$
Green		
Yellow		
Red		

72 people were asked about their favourite hot drink.



Drink	Angle	Frequency
Tea		$\frac{\text{Angle}}{360} \times 72 =$
Coffee		
H. C.		
Bovril		

Scatter graphs

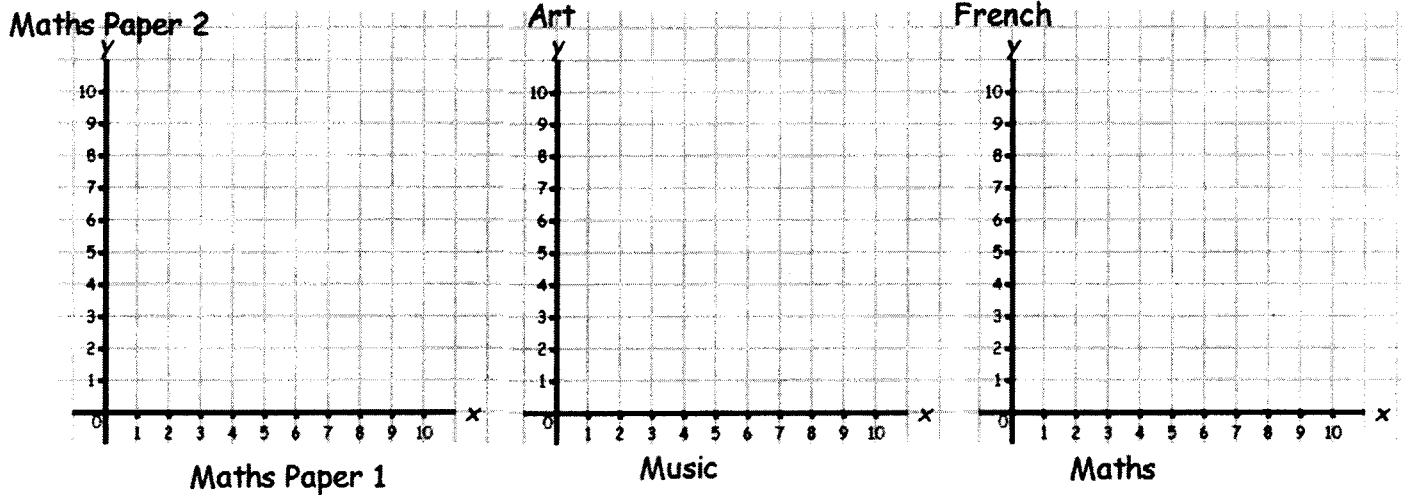
Plot the points from each table on the axes below

Test scores out of 10.

Maths Paper 1	Maths Paper 2
1	2
2	3
4	2
5	3
5	5
6	4
7	6
8	3
9	7
10	6

Music	Art
1	9
2	7
2	8
4	6
4	7
5	5
6	5
7	4
8	3
10	1

Maths	French
1	5
2	3
2	8
5	1
5	5
5	8
6	7
8	1
8	6
9	4



For each scatter graph describe the correlation and where possible draw a line of best fit.

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