

Foundation Data handling skills

1. Jane counts the number of sweets in 5 different packets of 'chew-its'. Her results are as follows

18 18 19 21 22

Complete the following

The mode is _____ The median is _____

The mean is _____ The range is _____

2. Complete the 2 way table that shows how boys and girls voted for whether they preferred Cats or dogs.

	Cats	Dogs	
Boys	12		27
Girls		9	
	28		

3. The data below shows answers that were given by 12 students who were asked to estimate the area of a rectangle.

23 29 31 19 28 23 40 24 26 18 30 25

Draw an ordered stem and leaf diagram below

Key |

4. Choose one of the following words to describe the following data

CONTINUOUS

DISCRETE

The time taken to play a tennis match _____

The weight of a tennis ball _____

The number of first serves won in a game of tennis _____

5. Choose one of the following words to describe the following data

QUALITATIVE

QUANTITATIVE

The colour of the shirts worn by football teams in a tournament _____

The time taken to score the first goal in a football match _____

The country who wins a football tournament _____

6. Describe how you could take a sample of 20 people from a year group of 200 students.

7. The range of throws in a javelin competition was 14 metres. The shortest throw was 18 metres. What was the longest throw?

Answer _____ m

8. The frequency table shows how long **30 people** get to work. 12 people took between **20 and 30 minutes**. Use this value to complete the table.

Time to travel to work	Frequency
0 - 10	4
10 - 20	5
20 - 30	
30 - 40	9

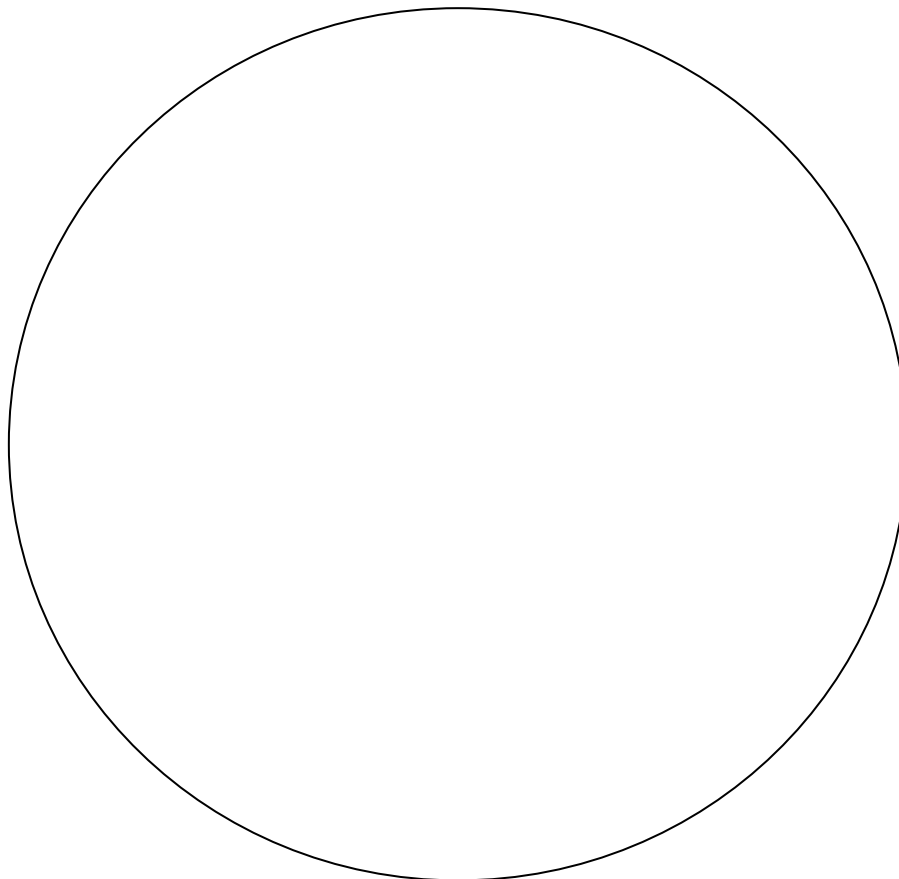
Draw a frequency diagram (a bar chart) for this data below.



Time to get to work (mins)

9. 60 students were asked about how they travelled to school.
Draw a pie chart to show the following information.

	Cycle	Bus	Car	Walk
Frequency	12	25	8	15



10. Andrew collects two types of data from a garage that sells cars. He plots the data on a scatter graph.

Data 1 : The ages of cars on the forecourt in a garage

Data 2 : The price of these cars

Circle the type of correlation you would expect from the scatter graph.

POSITIVE

NEGATIVE

NO CORRELATION

