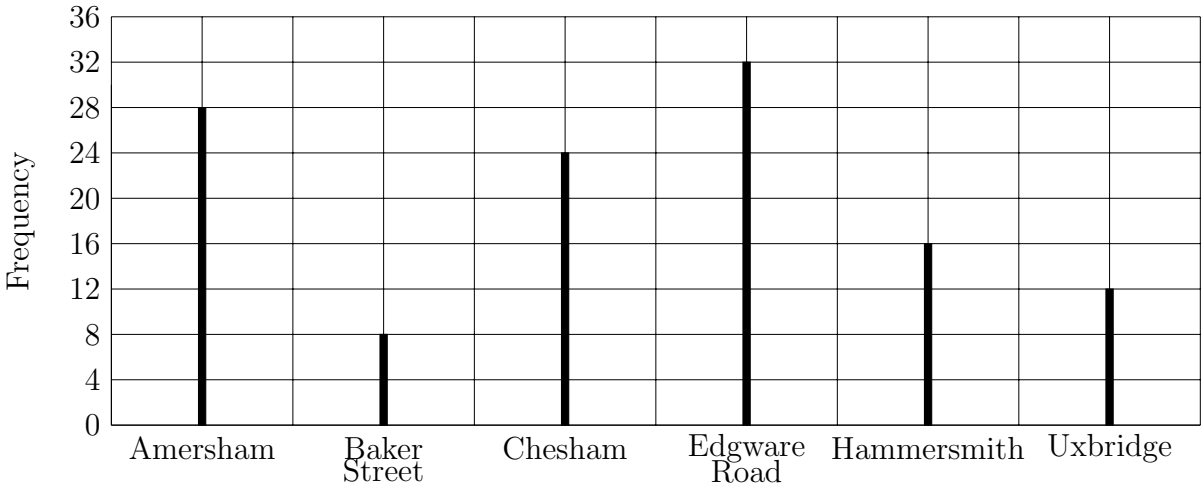
1. A student collects data on the final destination of trains from a station.

   The {(a) pictogram} shows information about the final destination of these tube trains.

Amersham	⊖ ⊖ ⊖ ◖
Baker Street	⊖
Chesham	⊖ ⊖ ⊖
Edgware Road	⊖ ⊖ ⊖ ⊖
Hammersmith	⊖ ⊖
Uxbridge	⊖ ◖

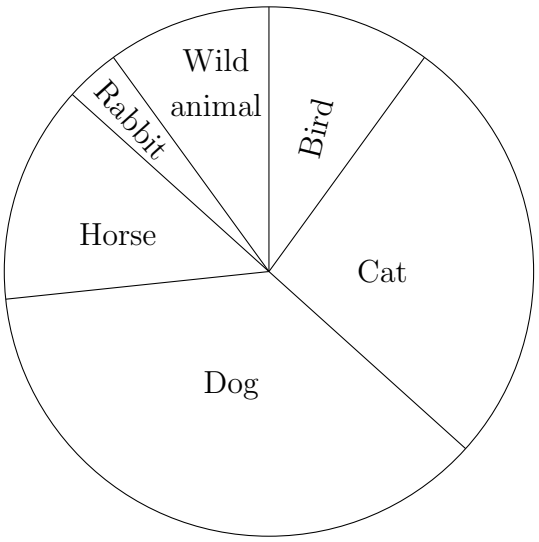
Key ⊖ represents 8 tube trains

(b) line graph



Write down the mode final destination.

(c) This pie chart {OR (d) frequency table} shows the favourite pet of 30 students.



(d)

Pet	Frequency
Bird	3
Cat	8
Dog	11
Horse	4
Rabbit	1
Wild animal	3

Write down the mode.

2. The frequency table shows information about the number of goals a football team scored at every match last season.

Number of goals	Frequency	{suggest students write out all data values}
0	6	{e.g. 0 0 0 0 0 0 }
1	10	{e.g. 1 1 1 1 1 1 1 1 1 1}
2	7	
3	3	
4	5	
5	1	

Reminder

median **mid**dle

mode **mo**st

range = big - small

(a) Write down the range.

(b) Write down the mode number of goals.

(c) Write down the median number of goals.

The frequency table shows information about the number of goals a football team scored at every match last season.

Number of goals	Frequency
0	6
1	10
2	7
3	3
4	5
5	1

3. (a) Write down the mode number of goals.

(b) Write down the range.

(c) Write down the median number of goals.

NB see next page for layer 4

5. Work out the mean number of goals.

Give your answer to 1 decimal place.

4. The frequency table shows information about the number of goals a football team scored at every match last season.

Number of goals	Frequency	Space for calculation
0	6	$0 \times 6 =$ ....
1	10	$1 \times 10 =$ ....
2	7	$2 \times 7 =$ ....
3	3	
4	5	
5	1	
total number of ..... $\rightarrow$		$\leftarrow$ total number of .....

(a) Write down the number of matches the team played last season.

(b) Write down the total number of goals the team scored last season.

(c) Write down the mean number of goals the team scored last season.

6. This table shows information about the temperature for 40 day trips.

Temperature T ($^\circ$ C)	Frequency
$12 < T \leqslant 16$	1
$16 < T \leqslant 20$	17
$20 < T \leqslant 24$	18
$24 < T \leqslant 28$	4

Estimate the mean temperature for these day trips.