

1 The table shows the number of films watched one week by 30 people.

Number of films	Frequency	
0	5	
1	9	
2	8	
3	6	
4	2	

Total = 30

1 (a) Write down the modal number of films watched.

[1 mark]

Answer 1 (1)

1 (b) Work out the mean number of films watched per person.

[3 marks]

$$\text{mean} = \frac{(0 \times 5) + (1 \times 9) + (2 \times 8) + (3 \times 6) + (4 \times 2)}{30} \quad (1)$$

$$= \frac{0 + 9 + 16 + 18 + 8}{30} = \frac{51}{30} = 1.7 \quad (1)$$

Answer 1.7 (1)

2 16 people were asked to name their favourite fruit juice.
Here are the results.

Favourite juice	Frequency
Apple	6
Grapefruit	1
Orange	4
Mango	5

2 (a) One of the people was picked at random.

Work out the probability that their favourite juice was orange **or** mango.

$$\frac{4}{16} + \frac{5}{16} = \frac{9}{16}$$

Answer _____ (1) [1 mark]

2 (b) On the grid, draw a bar chart to represent the results.

[3 marks]

