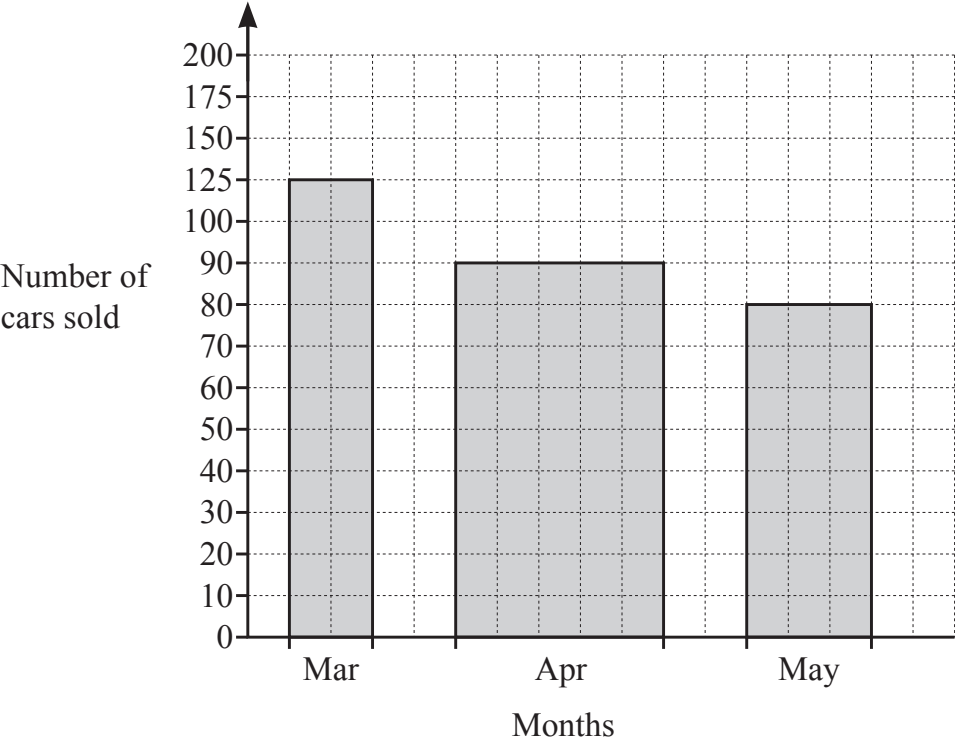


7



A newspaper prints this bar chart to show the number of cars sold by a garage in March, April and May.

Give two reasons why the bar chart is incorrect.

1

.....

2

.....

[2]

10 (a) Jason records his score in each of 10 games of cricket.

16	7	21	8	20	9	11	7	14	3
----	---	----	---	----	---	----	---	----	---

(i) Find the mode.

..... [1]

(ii) Work out the range.

..... [1]

(b) Ed plays 5 games.
His mean score is 28.
After one more game his mean score is now 26.

Work out his score in the sixth game.

..... [2]

4 Ben records the favourite sport of each of 20 students.

Football Cricket Hockey Rugby Football Tennis Rugby Football Football Rugby
Tennis Football Rugby Football Cricket Football Rugby Football Cricket Cricket

Complete the frequency table.
You may use the tally column to help you.

Sport	Tally	Frequency
Cricket		
Football		
Hockey		
Rugby		
Tennis		

[2]

8 These are the masses, in kg, of each of 11 bags.

23	16	8	10	27	19	4	17	13	4	14
----	----	---	----	----	----	---	----	----	---	----

(a) Complete the stem-and-leaf diagram to show this information.

0	
1	
2	

Key: 2 | 7 represents 27 kg

[2]

(b) Find the median.

..... kg

[1]

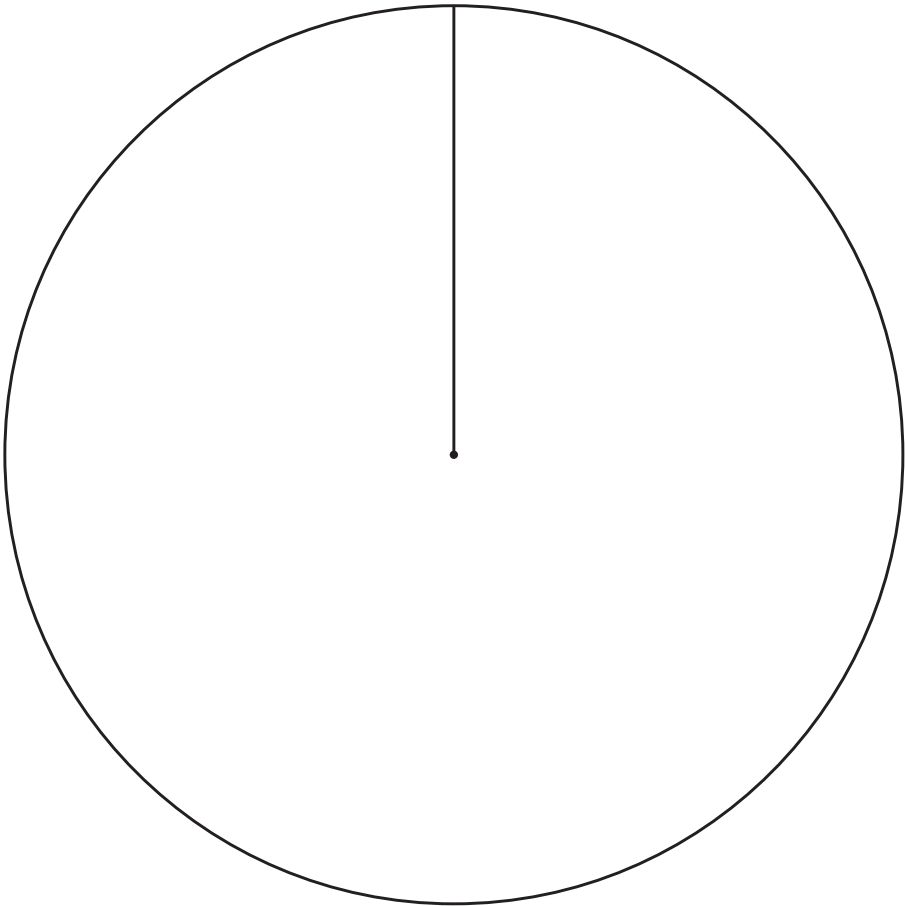
12 The table shows the results of a survey about the colour of 90 cars in a car park.

Colour of car	Frequency	Pie chart sector angle
Black	16	
White	34	
Other	40	

(a) Complete the table.

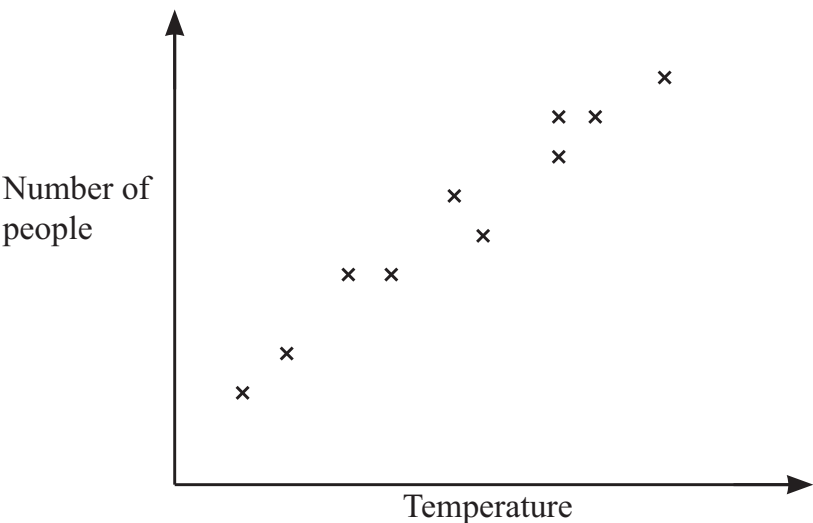
[2]

(b) Complete the pie chart.



[2]

16 Jill records the temperature and the number of people on a beach for each of ten days. The results are shown in the scatter diagram.



- (a) What type of correlation is shown in the scatter diagram?

..... [1]
- (b) Describe the relationship between the temperature and the number of people on the beach.

.....

..... [1]

9 The table shows some information about the marks scored by a group of students in a test.

Test mark	4	5	8
Frequency	2	4	n

The mean mark is 6.

Work out the value of n .

$n =$

[3]