

Statistics – 2022 GCSE Mathematics Foundation**1. June/2022/Paper_J560/01/No.2**

Here is a list of numbers.

6 9 2 12 3 8 3

(a) Write down the mode.

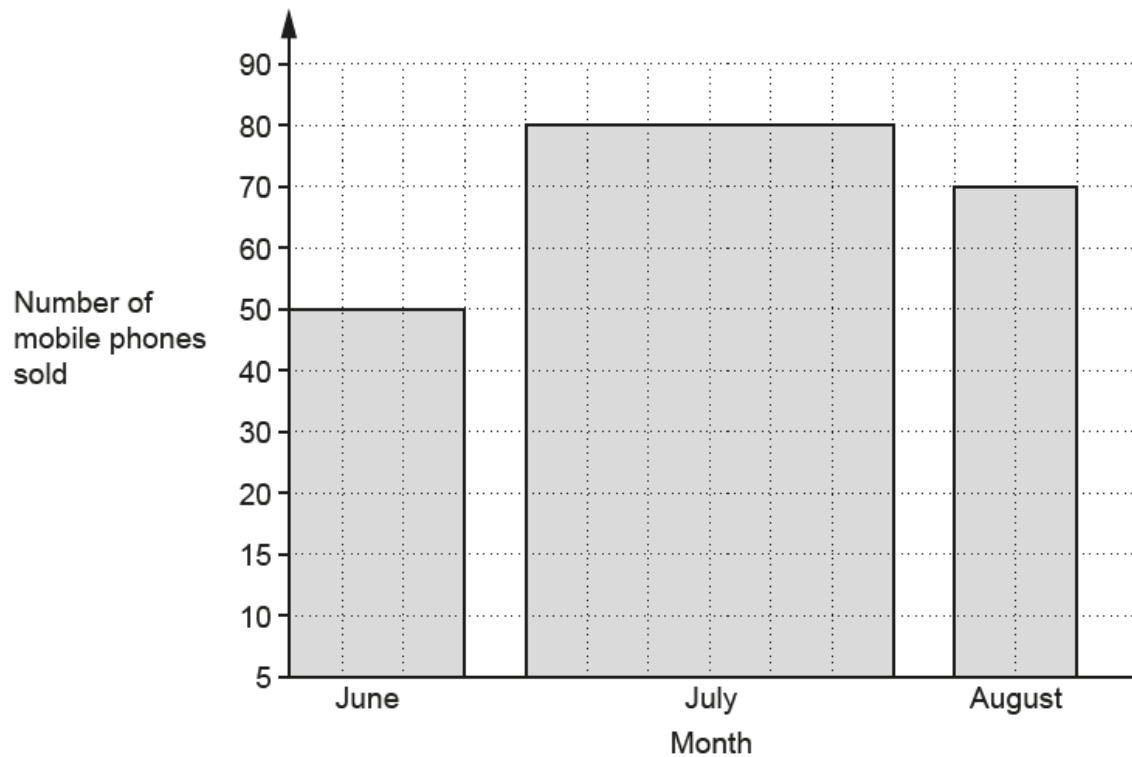
(a) [1]

(b) Work out the range.

(b) [2]

2. June/2022/Paper_J560/01/No.5

This graph shows the number of mobile phones sold by a shop in June, July and August.



Give **two** reasons why the graph is misleading.

- 1
-
- 2
- [2]

3. June/2022/Paper_J560/01/No.20

This list represents four numbers.

127 x $x + 1$ $2x$

The **mean** of the four numbers is 180.

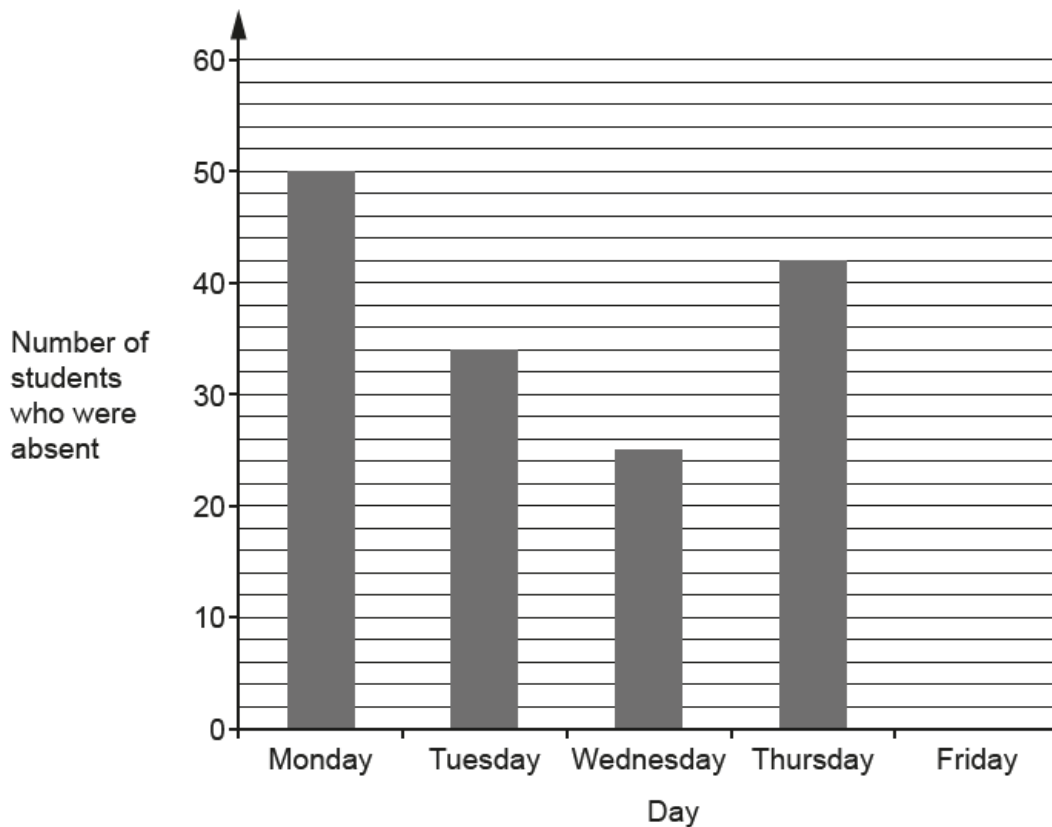
Work out the numbers.

You must show your working.

127[5]

4. June/2022/Paper_J560/02/No.6

Taylor has collected data on the number of students who were absent from their school last week. The bar chart shows the results for the first four days.



- (a) On Friday there were 54 students who were absent from the school.

Show this information on the bar chart.

[1]

- (b) Taylor says

On Monday 150% of the students were absent from my school.

Could this be true?
Explain how you decide.

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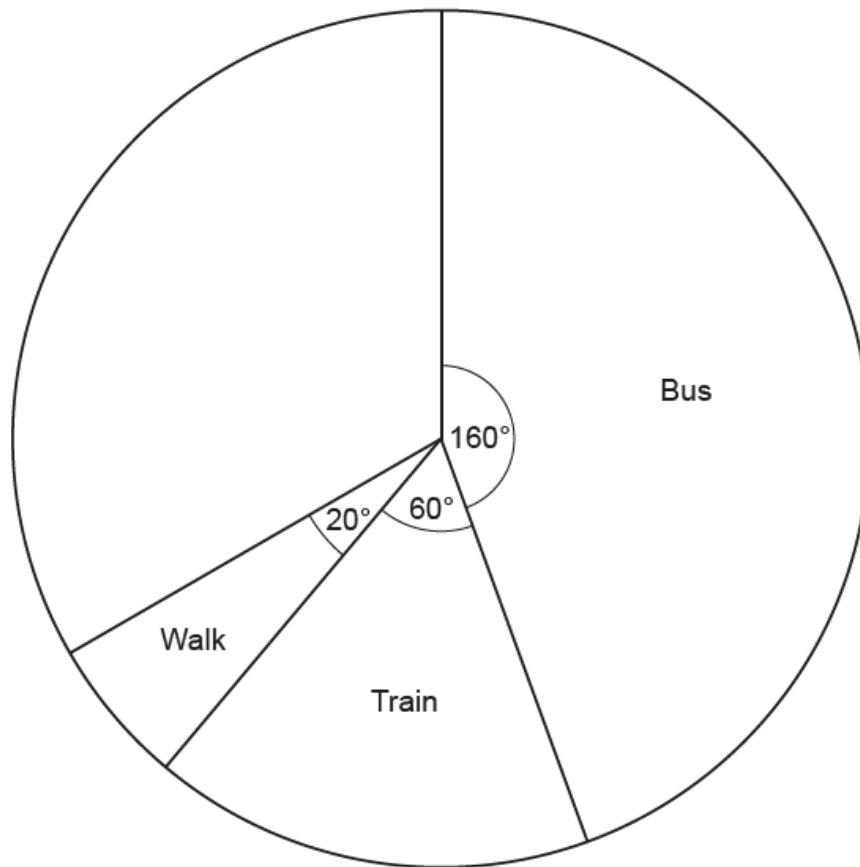
 [1]

5. June/2022/Paper_J560/02/No.11

Some students were asked how they travel to school.

Each student gave one answer.

The pie chart shows the proportion who travel by bus, by train or walk.



- (a) All of the remaining students travel to school either by bike or by car.
The ratio of the number who travel by bike to the number who travel by car is 2 : 3.

Complete the pie chart.

You must show your working.

[6]

- (b) Which way of travelling to school is the mode?

..... [1]