

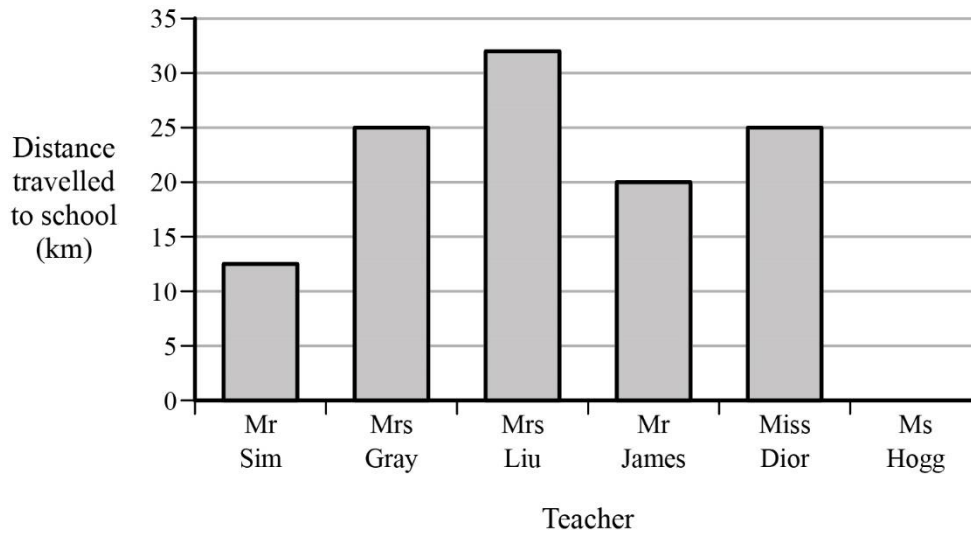
NAME

Time:

Non-Calculator Questions



1 The bar chart shows information about the distances travelled to school by five teachers.



Ms Hogg travelled 27 km to school.

a Complete the bar chart for Ms Hogg.

(1 mark)

b Which one of these teachers travelled the furthest distance to school?

(1 mark)

Two of these teachers travelled the same distance to school.

c Which two teachers?

(1 mark)

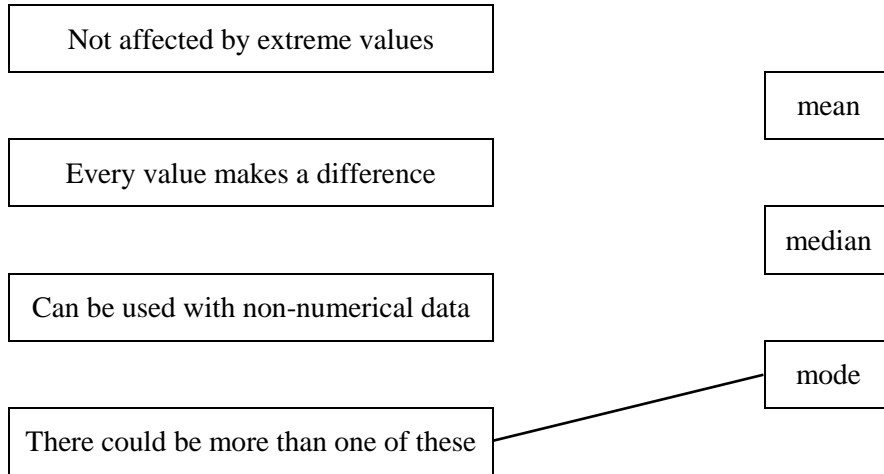
Mrs Gray travelled further than Mr James to get to school.

d How much further?

(1 mark)



- 3 Match each of the statements with the correct average.  
One has been done for you.



(2 marks)



- 5 Mandy wants to find out how much television people watch.  
She decides to ask 10 of her friends.  
Give two reasons why this may not be a good sample.

(2 marks)



- 7 The mean mark scored in a spelling test by five girls is  $x$ .  
The mean mark scored in the spelling test by 10 boys is  $y$ .  
Write an expression, in terms of  $x$  and  $y$ , for the mean score for all 15 children.

(2 marks)

NAME



Calculator Questions



9 Here are the marks Henry got in some tests last term.

7 9 6 5 4 3 7 8 7 2 8 9 10 3 7

a What is the mode of these test marks?

(1 mark)

b Find the range of Henry's test marks.

(1 mark)



11 The table gives information about the number of people travelling to work in each of 50 cars.

Number of people in car	Frequency
1	17
2	14
3	6
4	10
5	3

a What is the median number of people in these cars?

(1 mark)

b What is the modal number of people in these cars?

(1 mark)

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c Work out the total number of people in these 50 cars

(2 marks)

d Work out the mean number of people in these 50 cars.

(2 marks)

e Work out the range of the number of people in these cars.

(2 marks)



13 The table gives information about the lengths of time, in minutes, 40 people were in a coffee shop.

Number of minutes ( $m$ )	Frequency
$0 \leq m < 20$	12
$20 \leq m < 40$	9
$40 \leq m < 60$	8
$60 \leq m < 80$	6
$80 \leq m < 100$	5

a Write down the modal class interval.

(1 mark)

b Which class interval contains the median time?

(2 marks)

c Work out an estimate of the mean time spent in the coffee shop by these 40 people.

(3 marks)



- 15 The mean weight of three girls is 45 kg.  
The mean weight of four boys is 56 kg.  
Find the mean weight of the seven children.

(3 marks)

Overall mark	/29
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