

Answer ALL TWENTY questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

- 1 Safiya wants to hire a van.
She uses this rule to work out the cost of hiring a van for a number of days.

$$\text{Cost} = \text{£}45 \times \text{number of days}$$

use your calculator

Safiya is going to hire the van for 7 days.
Work out the cost.

$$\text{Cost} = 45 \times 7$$

£.....315.....

(Total for Question 1 is 2 marks)

- 2 Write the following numbers in order of size.
Start with the smallest number.

-7 7 0 -2 -1

.....-7 -2 -1 0 7.....

(Total for Question 2 is 1 mark)

- 3 Write the following numbers in order of size.
Start with the smallest number.

-11 -2 8 -7 3 10

.....-11 -7 -2 3 8 10.....

(Total for Question 3 is 1 mark)

- 4 Write down a 3 digit number that is a multiple of 5

.....

any 3 digit number ending in a 5 or 0

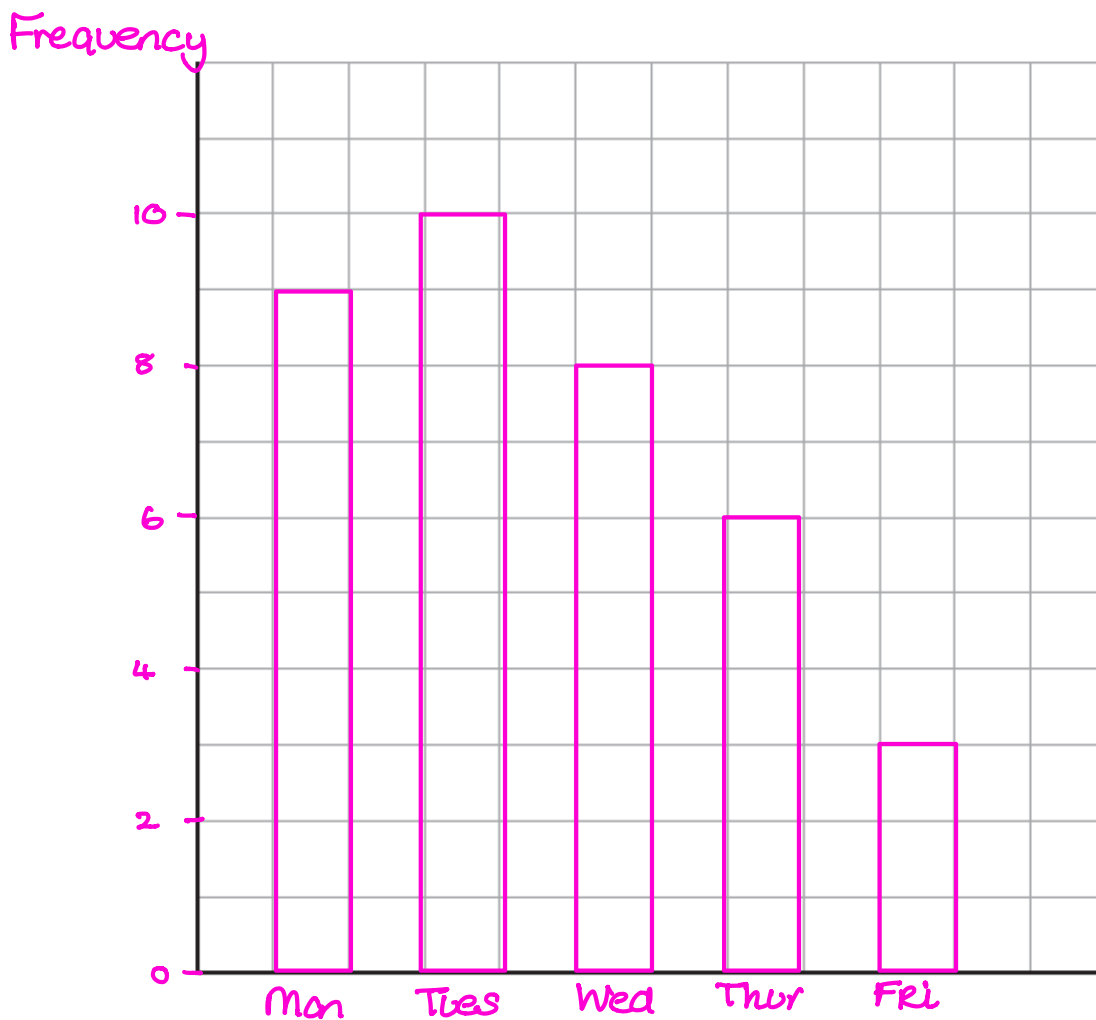
for example 125

(Total for Question 4 is 1 mark)

- 5 The table shows information about the number of students who arrived late at school each day one week.

	Number of students
Monday	9
Tuesday	10
Wednesday	8
Thursday	6
Friday	3

On the grid, draw a bar chart for this information.



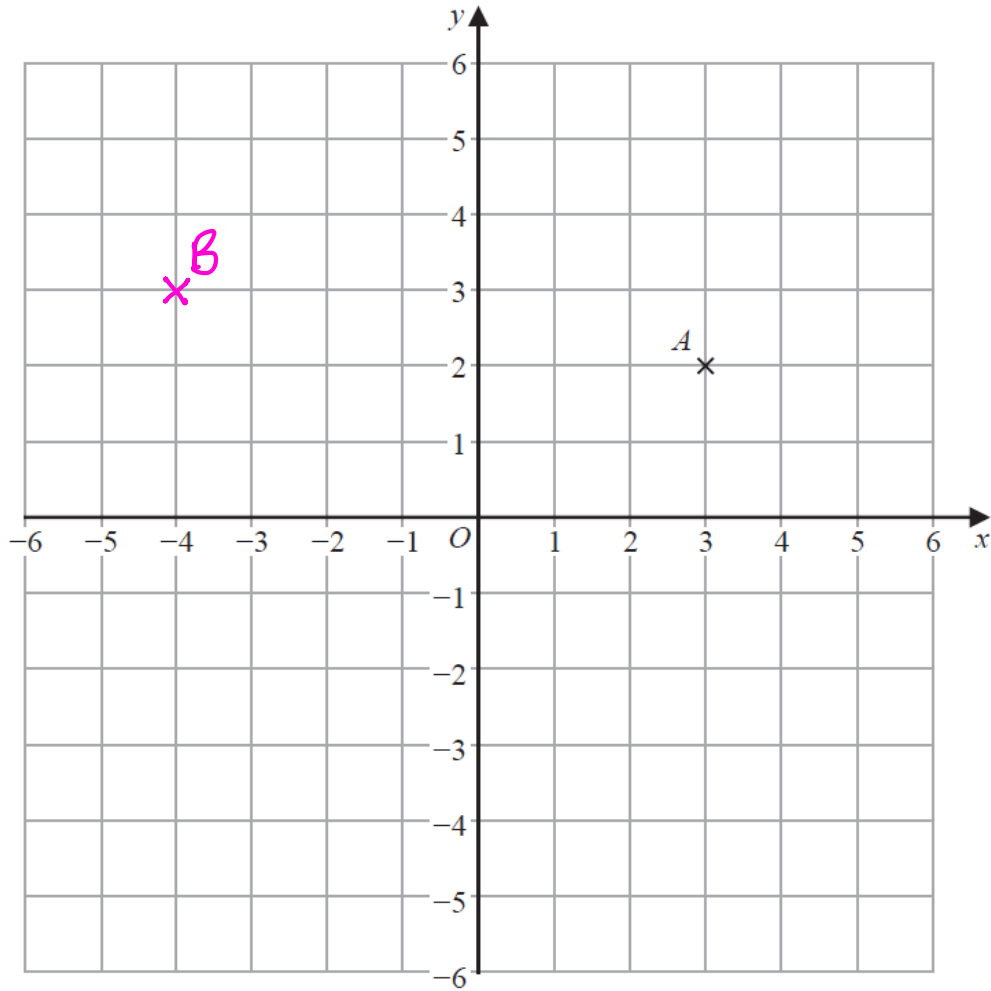
(Total for Question 5 is 3 marks)

6 Write 37% as a fraction.

$\frac{37}{100}$ arequivalent

(Total for Question 6 is 1 mark)

7 Here is a centimetre grid.

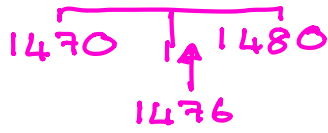


(a) Write down the coordinates of point A.

(.....³.....,².....)
(1)

(b) On the grid, mark with a cross (×) the point with coordinates (-4, 3)
Label this point B.

(1)
(Total for Question 7 is 2 marks)

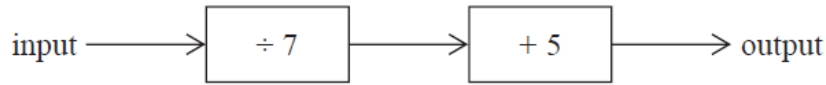


8 Write 1476 to the nearest 10

1480

(Total for Question 8 is 1 mark)

9 Here is a number machine.



Work out the output when the input is 28

$$28 \div 7 = 4 \quad 4 + 5 = 9$$

9

(Total for Question 9 is 1 mark)

10 Here is a list of numbers.

3 3 3 3 4 4 5 7 8

Write down the mode of the numbers.

most common

3

(Total for Question 10 is 1 mark)

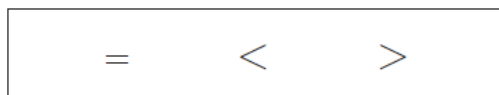
11 Simplify $4c + 7d + 3c - d$

$$4c + 3c + 7d - d$$

$7c + 6d$

(Total for Question 11 is 2 marks)

12 The box below contains three mathematical symbols.



From the box, choose a symbol to make the following statement correct.

$$\frac{5}{8} > \frac{2}{8}$$

(Total for Question 12 is 1 mark)

13 Write 0.4 as a percentage.

40

.....%
(Total for Question 13 is 1 mark)

Read the question carefully

- 14 Sonia wants to book a holiday.
 The holiday will cost £1428
 Sonia will pay a deposit of £150
 She will then pay the rest of the cost in 6 equal monthly payments.
 How much is each monthly payment?

$$\begin{array}{r}
 \text{Cost} = 1428 \\
 \text{less deposit } -150 \\
 \hline
 1278 \\
 \\
 \text{Equal payment } 1278 \div 6 \\
 = 213
 \end{array}$$

£ 213

(Total for Question 14 is 3 marks)

- 15 Write down the 7th odd number.

1 3 5 7 9 11 13

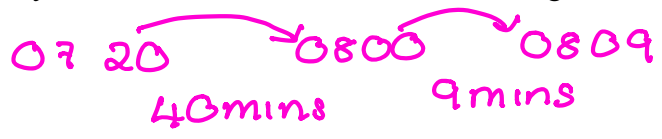
13

(Total for Question 15 is 1 mark)

- 16 Here is part of a bus timetable between Wigan and Bolton.

Wigan	07 20		07 40		07 55
Blackrod	07 49		08 09		08 24
Horwich	08 00	08 14	08 20	08 29	08 36
Lostock	08 09	08 20	08 29	08 37	08 44
Park Road	08 14	08 34	08 41	08 48	08 58
Bolton	08 32	08 51	08 58	09 05	09 15

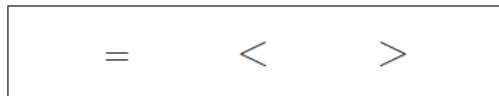
How many minutes should the 07 20 bus take to go from Wigan to Lostock?



49

(Total for Question 16 is 2 marks)

17 The box below contains three mathematical symbols.



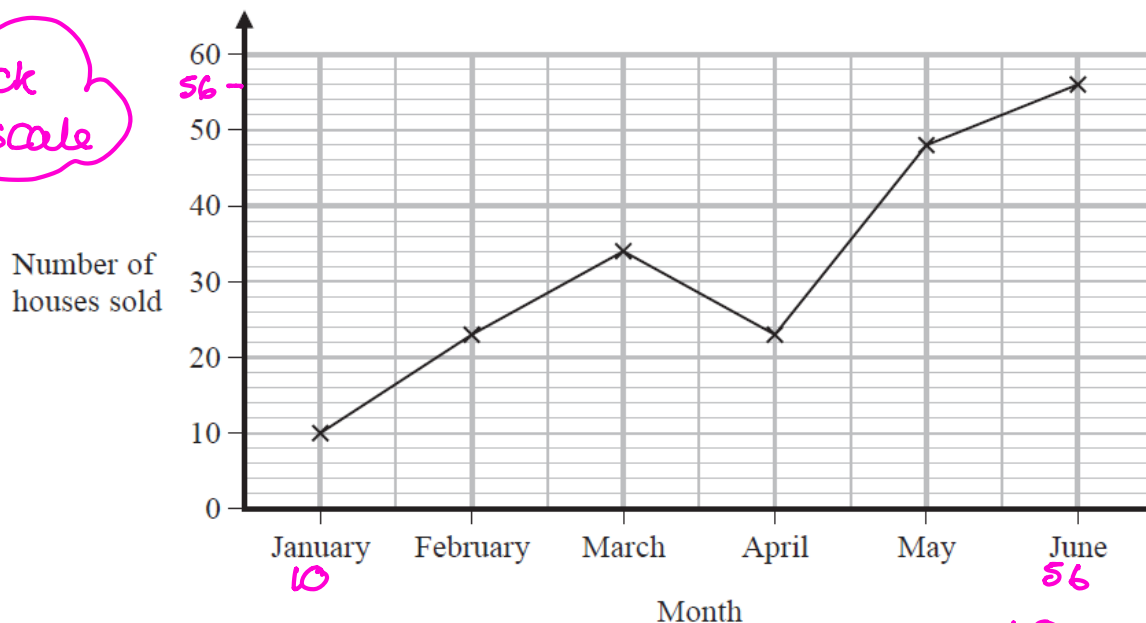
From the box, choose a symbol to make the following statement correct.

$$-2 \times -3 \overset{6}{=} \overset{6}{-3 + 9}$$

(Total for Question 17 is 1 mark)

18 The graph shows information about the number of houses sold by an estate agent in each of six months last year.

check the scale



For this estate agent, write down the ratio of the number of houses sold in January to the number of houses sold in June.

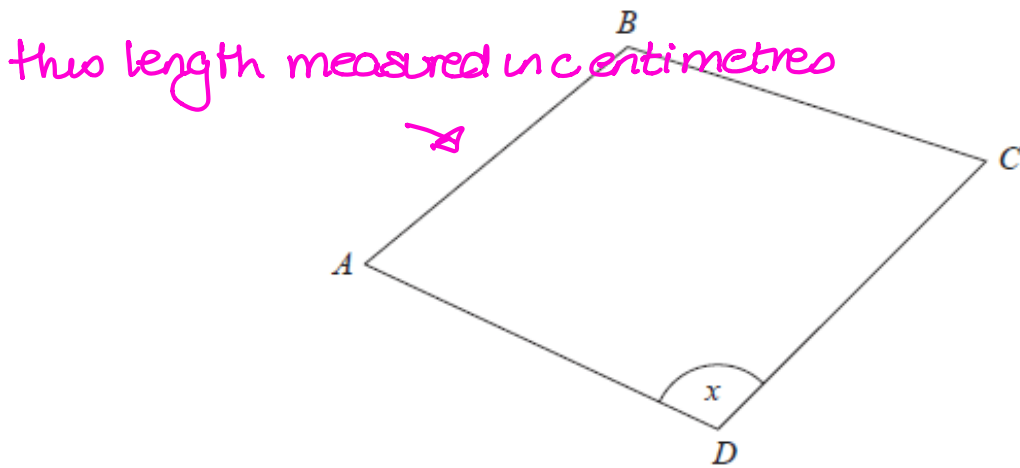
56

10 : 56 (or equivalent)

(Total for Question 18 is 2 marks)

Note: the ratio does not need to be in its simplest form in this case.

19 Here is a quadrilateral $ABCD$.



Measure the length of the side AB . Give your answer in centimetres.

(Your answer may be different dependent on your printer settings)

..... *4.5* centimetres

(Total for Question 19 is 1 mark)

20 Write the following fractions in order of size.

Start with the smallest fraction.

$\frac{3}{8}$	$\frac{9}{32}$	$\frac{1}{4}$	$\frac{21}{64}$
<i>x 8</i>	<i>x 2</i>	<i>x 16</i>	
<u><i>24</i></u>	<u><i>18</i></u>	<u><i>16</i></u>	<u><i>21</i></u>
<i>64</i>	<i>64</i>	<i>64</i>	<i>64</i>
<i>4</i>	<i>2</i>	<i>1</i>	<i>3</i>

$\frac{1}{4}$ $\frac{9}{32}$ $\frac{21}{64}$ $\frac{3}{8}$

(Total for Question 20 is 2 marks)

TOTAL FOR PAPER IS 30 MARKS