elevise

Edexcel GCSE Maths Foundation

Paper 1 June 2019

Non-Calculator

First Half

42 Marks

Past Paper Website Home

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Answer ALL questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 Write 180 minutes in hours.

..... hours

(Total for Question 1 is 1 mark)

2 Write 0.73 as a percentage.

..... %

(Total for Question 2 is 1 mark)

3 Work out $10 \times (3 + 5)$

.....

(Total for Question 3 is 1 mark)

4 Write down a prime number that is between 20 and 30

.....

(Total for Question 4 is 1 mark)

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5 Find the number that is exactly halfway between 7 and 15

LG5A

.....

(Total for Question 5 is 1 mark)

6 Harry is planning a holiday for 4 people for 7 days.

LG6A

Here are the costs for the holiday for **each person**.

Travel	£150
Hotel	£50 for each day
Spending money	£250

Work out the total cost of the holiday for 4 people for 7 days.

£.....

(Total for Question 6 is 4 marks)

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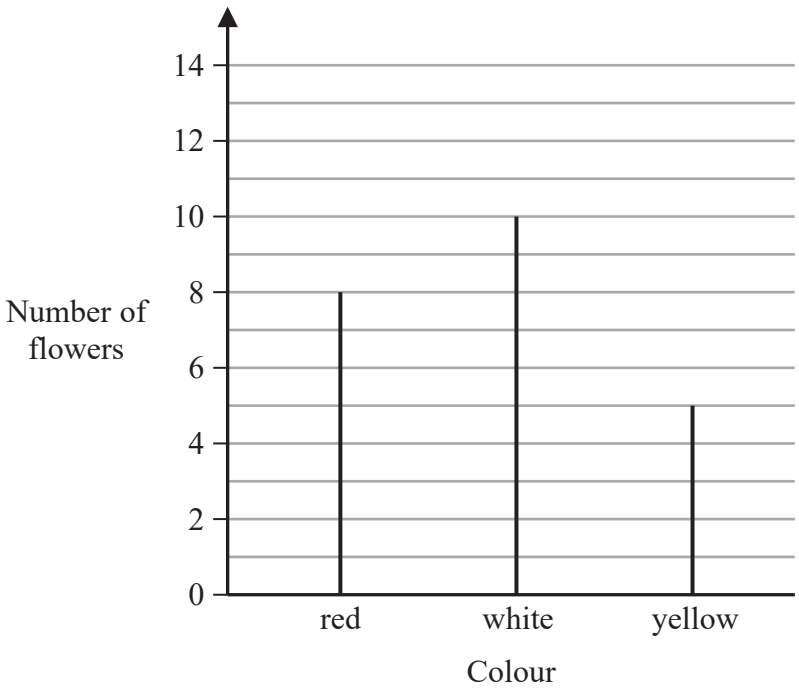
7 In Adam's garden, the flowers are only red or white or yellow or blue.

The chart shows the number of red flowers, the number of white flowers and the number of yellow flowers.



LG7A

The total number of flowers is 30

(a) Work out the number of blue flowers.

.....

(2)

(b) Write down the mode.

.....

(1)

(Total for Question 7 is 3 marks)

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8 Write the following fractions in order of size.
Start with the smallest fraction.

$\frac{1}{3}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{7}{12}$ $\frac{1}{2}$

LG8A

.....

(Total for Question 8 is 2 marks)

9 Ruth left her home at 9 am and walked to the library.
She got to the library at 10 30 am.
Ruth walked at a speed of 4 mph.

(a) Work out the distance Ruth walked.

LG9A

..... miles

(2)

Ruth got to the library at 10 30 am.
She stayed at the library for 50 minutes.
Then she walked home.
Ruth took $1\frac{1}{4}$ hours to walk home.

(b) At what time did Ruth get home?

.....

(2)

(Total for Question 9 is 4 marks)

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10 (a) Solve $t + t + t = 12$

LG10A

$t =$ .....

(1)

(b) Solve $x - 2 = 6$

$x =$ .....

(1)

(c) Solve $6w + 2 = 20$

$w =$ .....

(2)

(Total for Question 10 is 4 marks)

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11 Work out 74×58

LG11A

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(Total for Question 11 is 2 marks)

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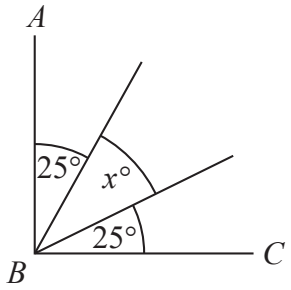
12 AB and BC are perpendicular lines.

LG12A

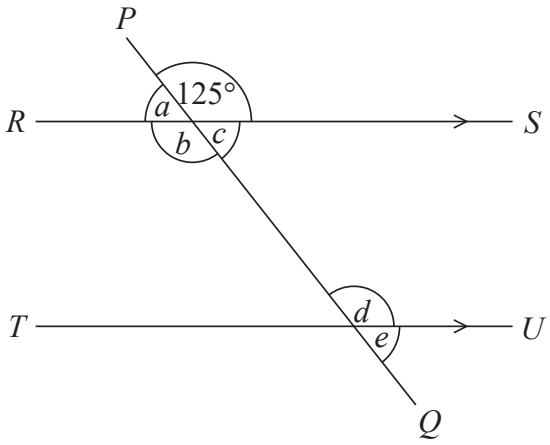


(a) Find the value of x.

$x =$ .....

(2)

RS and TU are parallel lines.
PQ is a straight line.



An angle of size 125° is shown on the diagram.

(b) (i) Write down the letter of one other angle of size 125°
Give a reason for your answer.

.....

.....

(2)

(ii) Explain why $a + b + c = 235°$

.....

.....

.....

(1)

(Total for Question 12 is 5 marks)

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13 The length of a line is x centimetres.

Write down an expression, in terms of x, for the length of the line in millimetres.

LG13A

.....

(Total for Question 13 is 1 mark)

14 (a) Work out $\frac{1}{5}$ of 70

LG14A

.....

(1)

Fiona has to work out the exact value of $48 \div \frac{1}{2}$

She writes

$$48 \div \frac{1}{2} = 24$$

Fiona's reason is,

"There are 2 halves in 1, so there will be 24 halves in 48"

(b) Explain what is wrong with Fiona's reason.

.....

.....

.....

(1)

(Total for Question 14 is 2 marks)

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15 (a) Write down the value of $\sqrt{64}$

LG15A

.....

(1)

(b) Work out the value of 5^3

.....

(1)

(Total for Question 15 is 2 marks)

16 (a) Expand $5(2m - 3)$

LG16A

.....

(1)

(b) Factorise $3n + 12$

.....

(1)

(Total for Question 16 is 2 marks)

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17 Stuart throws a biased coin 10 times.
He gets 7 Tails.

Maxine throws the same coin 50 times.
She gets 30 Tails.

LG17A

Prasha is going to throw the coin once.

(i) Whose results will give the better estimate for the probability that she will get Tails, Stuart's or Maxine's?
You must give a reason for your answer.

.....

.....

.....

(1)

(ii) Use Stuart's and Maxine's results to work out an estimate for the probability that Prasha will get Tails.

.....

(1)

(Total for Question 17 is 2 marks)

18 The diagram shows a rectangular garden path.

Wasim is going to cover the path with paving stones.
Each paving stone is a square of side 30 cm.
Each paving stone costs £2.50

LG18A

Wasim has £220 to spend on paving stones.

Show that he has enough money to buy all the paving stones he needs.

(Total for Question 18 is 4 marks)

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