GCSE Grade 4

Maths Booklet 1

Paper 1H
Non-Calculator
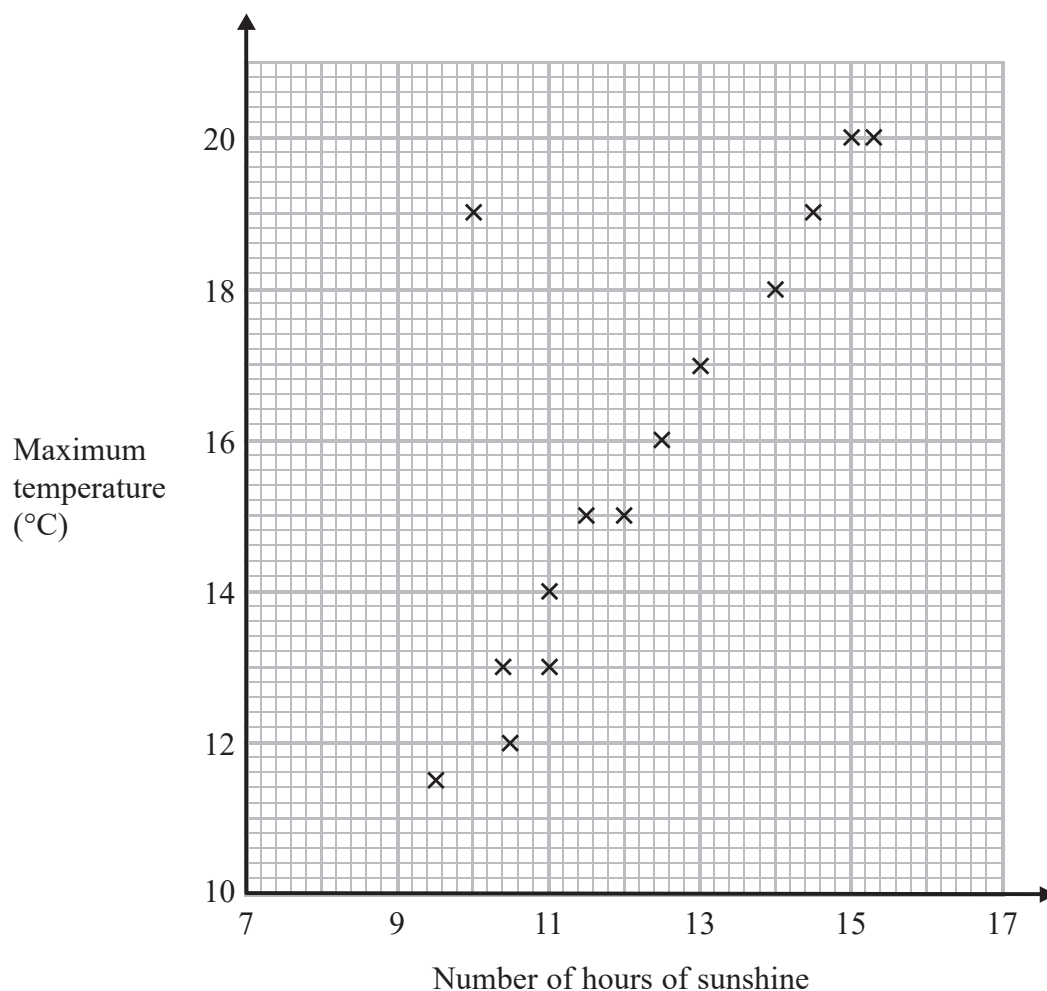
www.ggmaths.co.uk

1   The scatter graph shows the maximum temperature and the number of hours of sunshine in fourteen British towns on one day.

One of the points is an outlier.

(a) Write down the coordinates of this point.

(........................ , ...)

(1)

(b) For all the other points write down the type of correlation.

....

(1)

On the same day, in another British town, the maximum temperature was 16.4 °C.

(c) Estimate the number of hours of sunshine in this town on this day.

.... hours

(2)

A weatherman says,

"Temperatures are higher on days when there is more sunshine."

(d) Does the scatter graph support what the weatherman says?
Give a reason for your answer.

....

....

(1)

(Total for Question 1 is 5 marks)

2   Express 56 as the product of its prime factors.

....

(Total for Question 2 is 2 marks)

3 Work out 54.6×4.3

....

(Total for Question 3 is 3 marks)

4
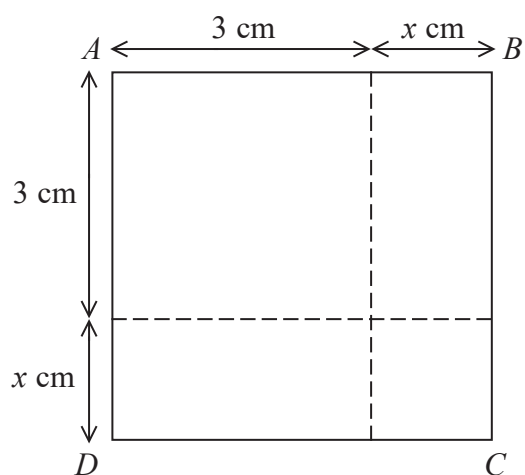
The area of square $ABCD$ is 10 cm^2.

Show that $x^2 + 6x = 1$

(Total for Question 4 is 3 marks)

5 (a) Work out 3.67×4.2

....
(3)

(b) Work out $59.84 \div 1.6$

....
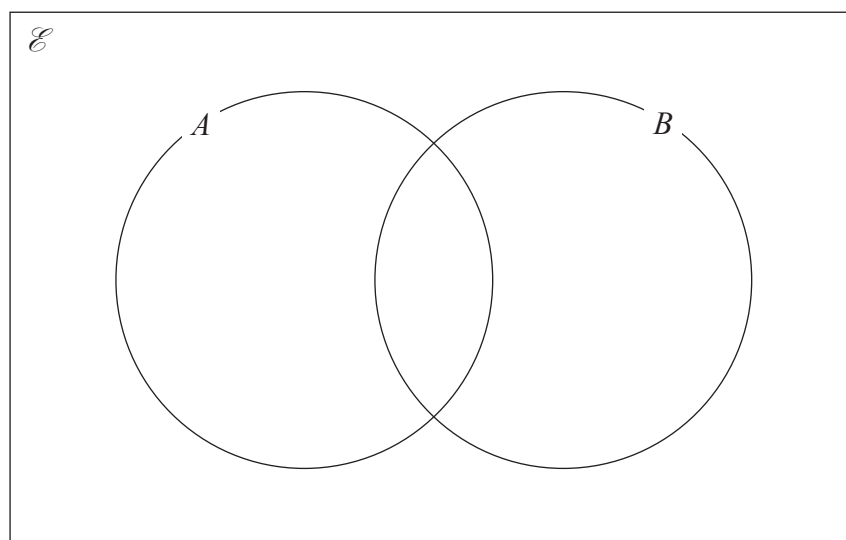(3)

(Total for Question 5 is 6 marks)

6 $\mathscr{E} = \{\text{even numbers less than 19}\}$
   $A = \{6, 12, 18\}$
   $B = \{2, 6, 14, 18\}$

Complete the Venn diagram for this information.

(Total for Question 6 is 3 marks)

7   Work out $4\dfrac{1}{5} - 2\dfrac{2}{3}$

Give your answer as a mixed number.

....

(Total for Question 7 is 3 marks)

8 At the end of 2017

the value of Tamara's house was £220 000
the value of Rahim's house was £160 000

At the end of 2019

the value of Tamara's house had decreased by 20%
the value of Rahim's house had increased by 30%

At the end of 2019, whose house had the greater value?
You must show how you get your answer.

(Total for Question 8 is 4 marks)

P64630A0424