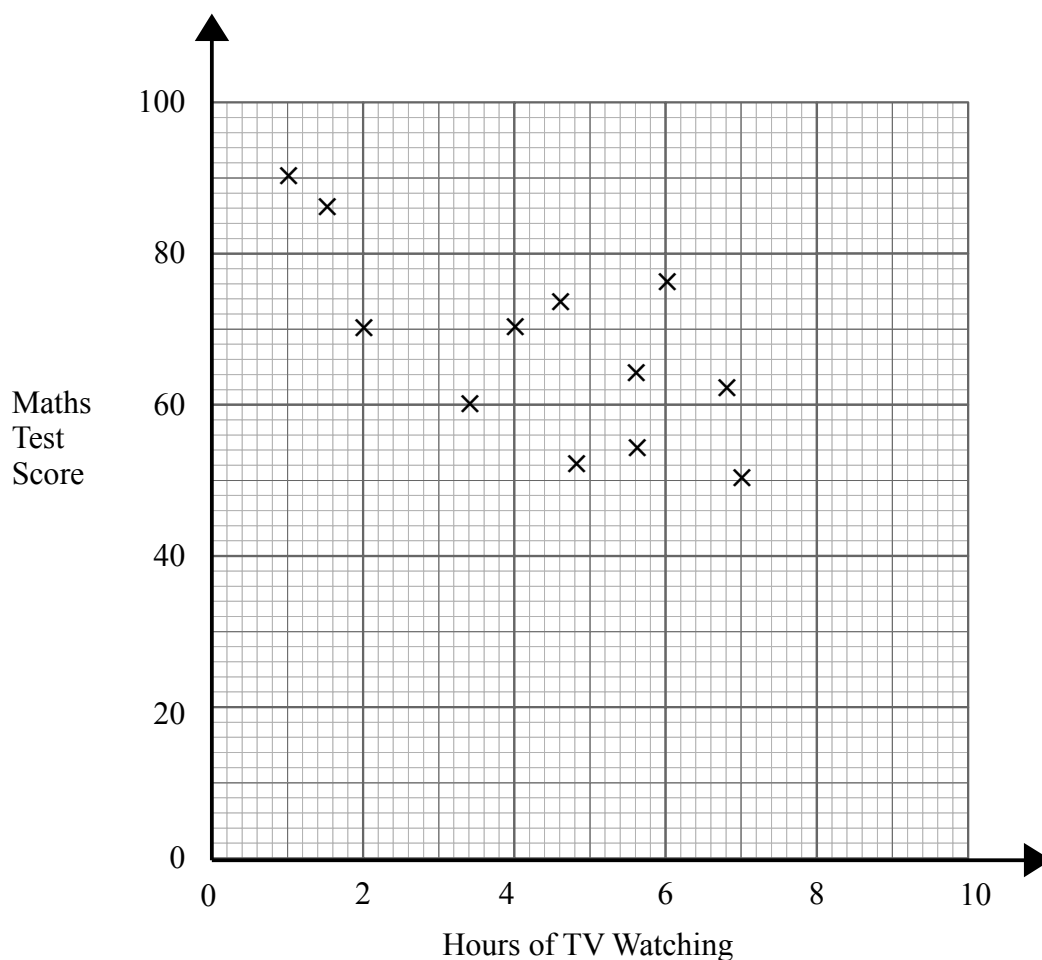# Mock Grade 4

Maths Booklet 1

Paper 1H
Non-Calculator

www.ggmaths.co.uk

1 The scatter graph shows information about the test scores of some students in Maths and the number of hours they spend watching TV a day.

(a) What type of correlation does the scatter graph show?

....

(1)

Billy says,
"If I reduce the amount of TV I watch my Maths test score will improve."

(b) Comment on what Billy says.

....

....

(1)

(Total for question 1 is 2 marks)

2 Find the lowest common multiple of 108 and 84.

....

(Total for Question 2 is 3 marks)

3   Work out 78.2×9.8

....

(Total for Question 3 is 3 marks)

4
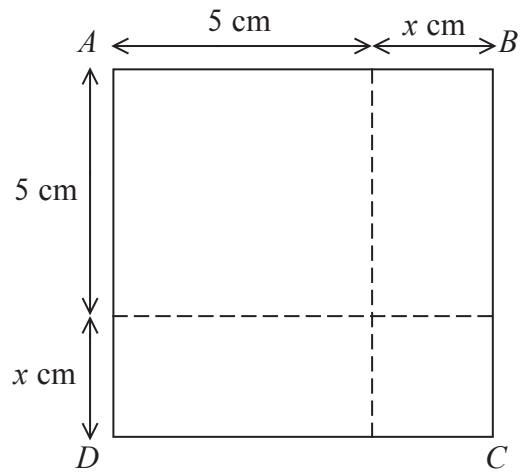
The area of square $ABCD$ is 36 cm².

Show that $x^2 + 10x = 11$

(Total for Question 4 is 3 marks)

5 (a) Work out 5.32×6.7

....

(3)

(b) Work out $151.76 \div 1.4$
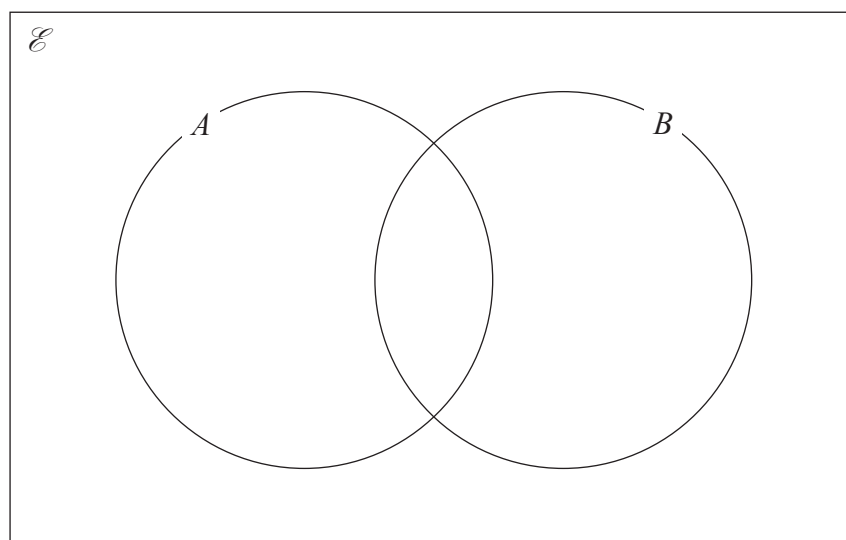
....

(3)

(Total for Question 5 is 6 marks)

6 $\mathscr{E}$ = {odd numbers less than 30}
  A = {3, 11, 21, 29}
  B = {5, 11, 17, 21, 29}

Complete the Venn diagram for this information.

(Total for Question 6 is 3 marks)

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

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 £180 000
the value of Rahim's house was £280 000

At the end of 2019

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

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)