

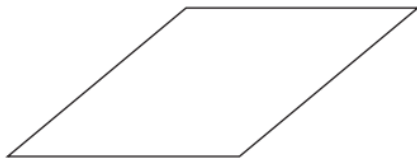
OCR GCSE Mathematics Non-Calculator 2021 Foundation Paper 1 Revision Worksheet

Question 2

Write down each of the following. (a) An odd number. (b) A square number. (c) A prime number between 30 and 40. (d) A multiple of 8.

Question 3

Here is a rhombus.



(a) On the diagram, draw all of the lines of symmetry.

(b) Write down the order of rotation symmetry of the rhombus.

Question 4

Here is a list of numbers. 6 9 2 3 9 1

(a) Work out the range of the numbers.

(b) Work out the mean of the numbers.

Question 5

(a) Round 564 to the **nearest ten**

(b) Round 438 749 to 3 significant figures.

Question 6

Write the following numbers in order of size, smallest first. 0.529 0.54 0.51 0.502

Question 7

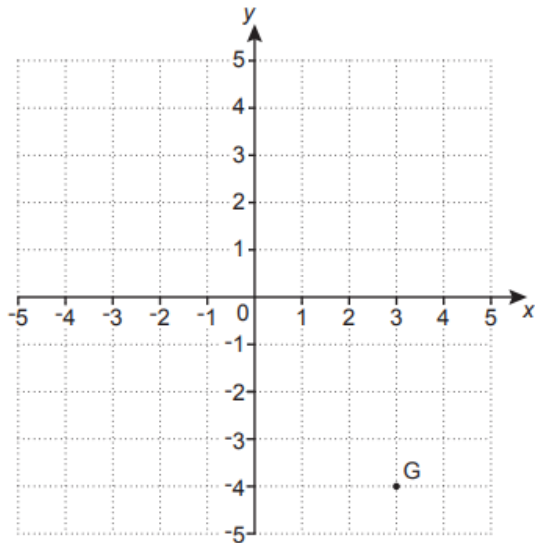
Solve

(a) $x - 14 = 30$

(b) $6y + 7 = 28$

Question 8

Point G is shown on this grid.



- (a) Write down the coordinates of point G.
- (b) Plot point H on the grid at $(-2, 4)$.

Question 9

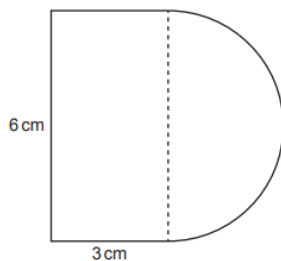
A student thinks of a number. They square it and then add 6. Their answer is 295.
What number is the student thinking of?

Question 10

- (a) Simplify: $3c^2d \times 2d$
- (b) Factorise: $35x + 7x^2$

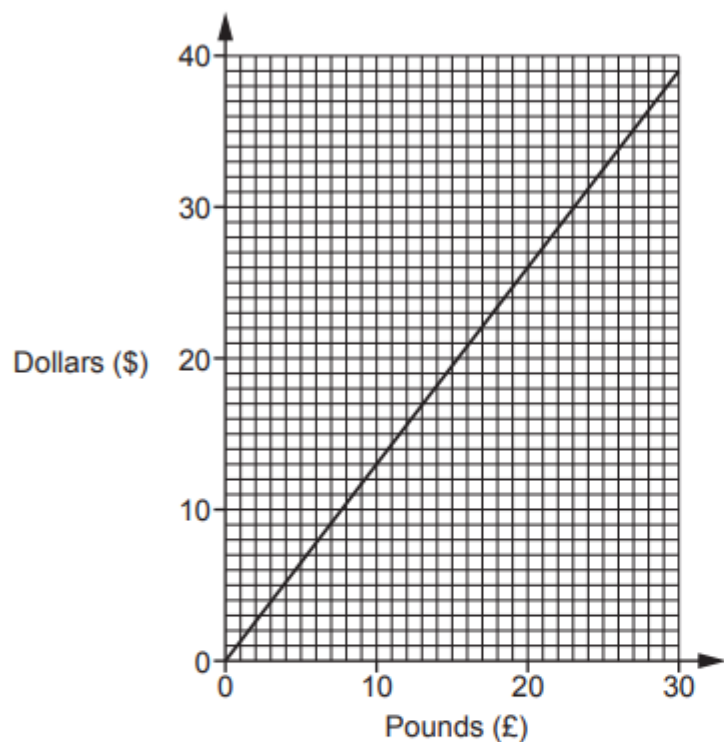
Question 11

A rectangle, 6 cm by 3 cm, and a semi-circle are joined to make this shape. **Work out the area of the shape.**



Question 12

A conversion graph between pounds (£) and dollars (\$) is shown below.



- (a) Explain fully how the graph shows that the number of dollars is directly proportional to the number of pounds.

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..... [2]

- (b) Use the conversion graph to change £20 into dollars.
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