



EXAM PAPERS PRACTICE

GCSE OCR Math J560

Solving Linear Equations

Question Paper

*"We will help you to
achieve A Star "*



Question 1

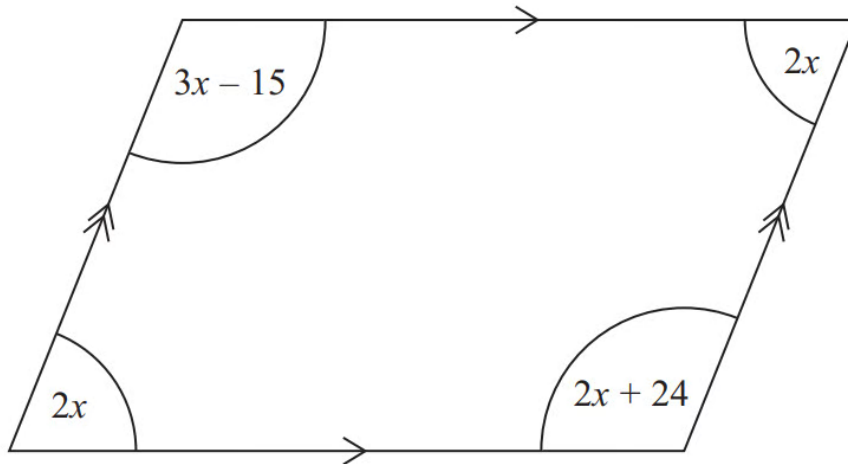


Diagram **NOT**
accurately drawn

The diagram shows a parallelogram.
The sizes of the angles, in degrees, are

- $2x$
- $3x - 15$
- $2x$
- $2x + 24$

Work out the value of x .

[3 marks]

Question 2

The diagram shows a garden in the shape of a rectangle.

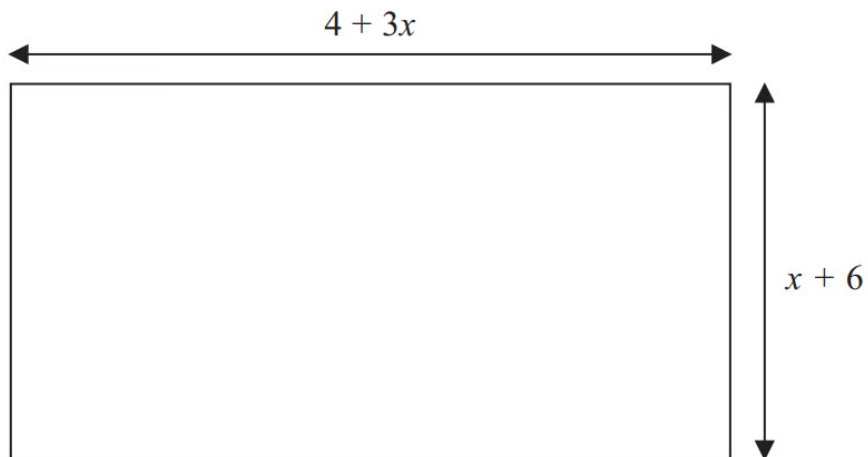


Diagram **NOT**
accurately drawn

All measurements are in metres.
The perimeter of the garden is 32 metres.

Work out the value of x

[4 marks]



Question 3

Solve $\frac{5w - 8}{3} = 4w + 2$

[3 marks]

Question 4

(b) Solve $\frac{2 - y}{5} = 1$

[2 marks]

Question 5

(a) Simplify $5x + 4y + x - 7y$

[2 marks]

Question 6

(a) Solve $3(x - 2) = x + 7$

[3 marks]



Question 7

(b) Solve $7(x + 2) = 7$

[2 marks]

Question 8

Simplify $4y + 2x - 3 + 3x + 8$

[2 marks]

Question 9

Expand and simplify $3(x + 4) + 2(5x - 1)$

[2 marks]



Question 10

Simplify $6g - 5h - 4g + 2h$

[2 marks]

Question 11

$$x = 3$$

(a) Work out the value of $4x^2$

[1 mark]

Question 12

(b) Solve $5x + 4 = 14 + x$

[2 marks]

Question 13

The diagram shows a rectangle.

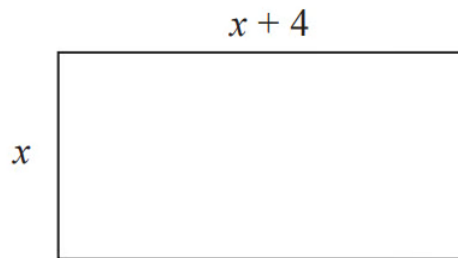


Diagram **NOT**
accurately drawn

All measurements are given in centimetres.

The perimeter of the rectangle is 45 cm.

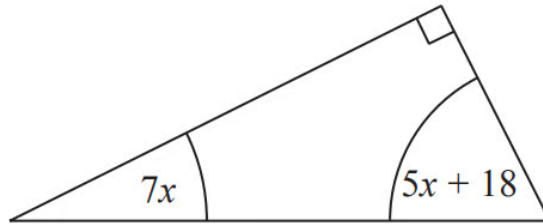
Work out the value of x .

[3 marks]



Question 14

The diagram shows a right-angled triangle.



All the angles are in degrees.

Work out the size of the smallest angle of the triangle.

[3 marks]

Question 15

Solve $4(x + 3) = 2x + 8$

[3 marks]