

1. Find the next two terms of the arithmetic sequence.

4, 7, 10, 13, 16, ..., ...

Write down the next two terms

(ii)

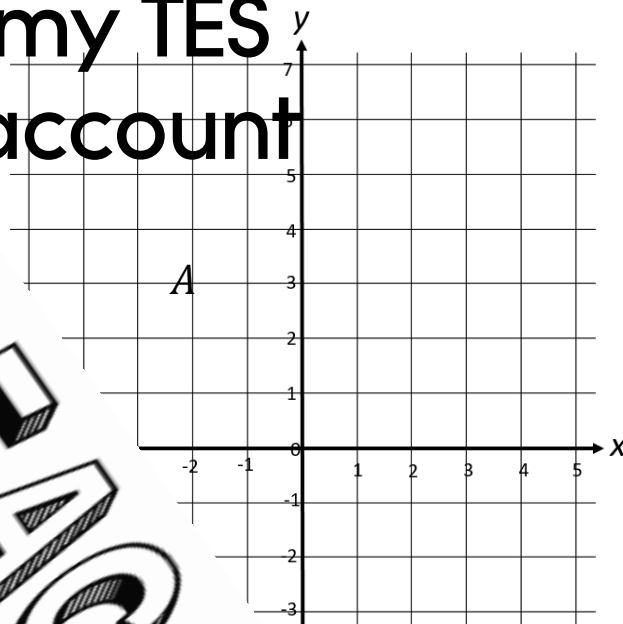
(iii) Write down

Available from my TES account (3 marks)

2.

(a) Write down the coordinates of point A

my TES account



(b) Plot the coordinate (4, -2)

(2 marks)

3. Simplify $4e + e + 2e - 3e$

(1 mark)

4. Simplify $6 \times e \times f \times 4 \times g$

(1 mark)

5. $a = 3$ $b = 4$ $c = 5$

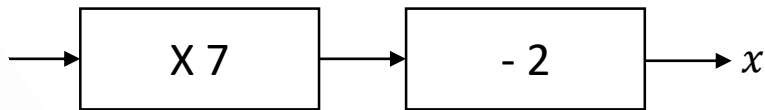
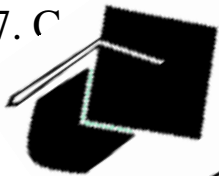
Work out the value of $a^2 + 2b - 3c$

(1 mark)

6. Simplify $2a^4 \times 3a^5$

(1 mark)

7. C



$x = \dots\dots\dots$

(1 mark)

8. Simplify $\dots\dots\dots \times h \times h$

Available from $\dots\dots\dots$ (1 mark)

9. Expand $\dots\dots\dots$

my TES account $\dots\dots\dots$ (1 mark)

10. Factorise $12a$

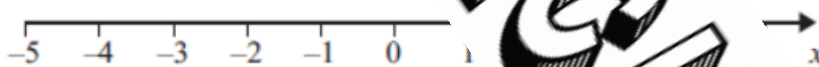
$\dots\dots\dots$ (2 marks)

11. Solve $4x = 24$

$x = \dots\dots\dots$

(1 mark)

12. Show the inequality $x \leq 2$ on the number line below.

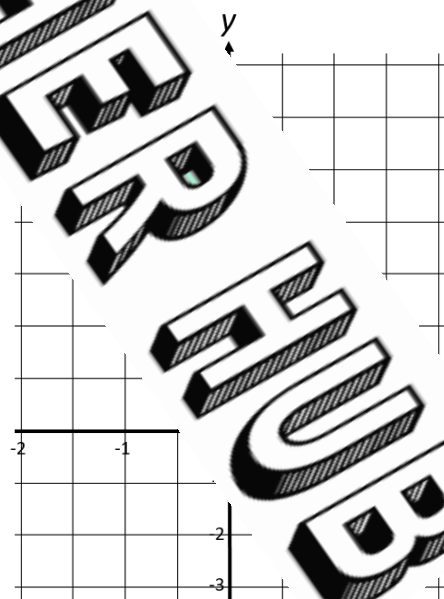


$\dots\dots\dots$ (1 mark)

13. Complete the table of values for $y = 3x + 1$

x	-2	-1	0	1	2
y					

On the grid draw the graph of $y = 3x + 1$



$\dots\dots\dots$ (4 marks)

Score =