

1. Here is an arithmetic sequence.

$$5, 9, 13, 17, 21, \dots, \dots$$

Write down the next two terms

(ii) Write down the 10th term

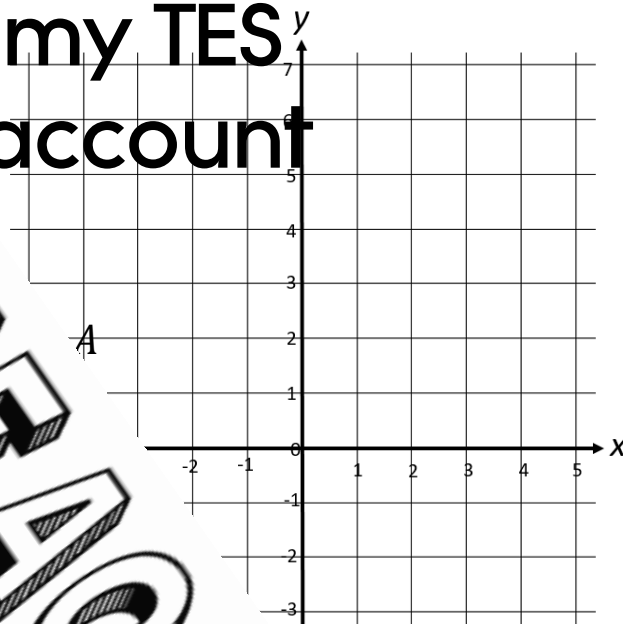
(iii) Write down the sum of the first 10 terms in the sequence

Available from (5 marks)

2.

(a) Write down the coordinates of the point A

my TES account



(b) Plot the coordinate (3, 4)

(2 marks)

3. Simplify $2a + 3a^2 + 4a + 6a^2$

(1 mark)

4. Simplify $6 \times h \times g \times h \times 5$

(1 mark)

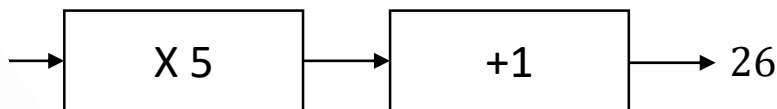
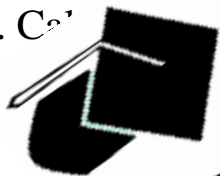
$$5. \quad a = 6 \quad b = 3 \quad c = -2$$

Work out the value of $5b - 4c$

6. Simplify $\frac{8w^{12}}{2w^3}$

(1 mark)

7. Calc



$x = \dots\dots\dots$
(1 mark)

8. Simp.

m^4

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

9. Expand

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

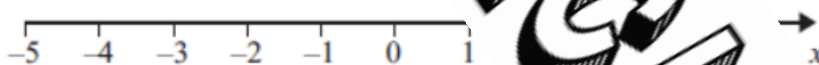
10. Factorise $6x -$

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

11. Solve $2x + 3 = 11$

$x = \dots\dots\dots$
(2 marks)

12. Show the inequality $-3 \leq x \leq$ line below.

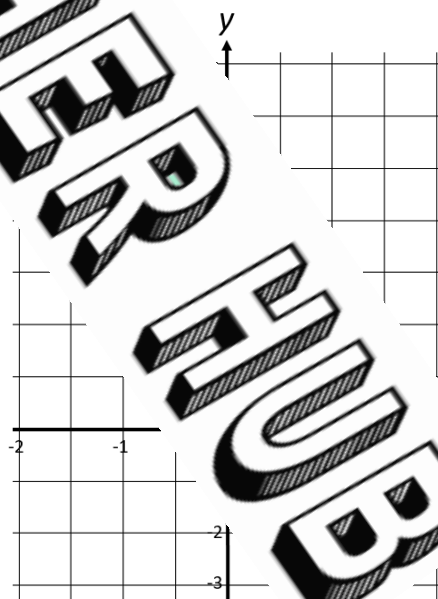


$\dots\dots\dots$ (2 marks)

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

x	-2	-1	0	1	2
y					

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



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

Score =