

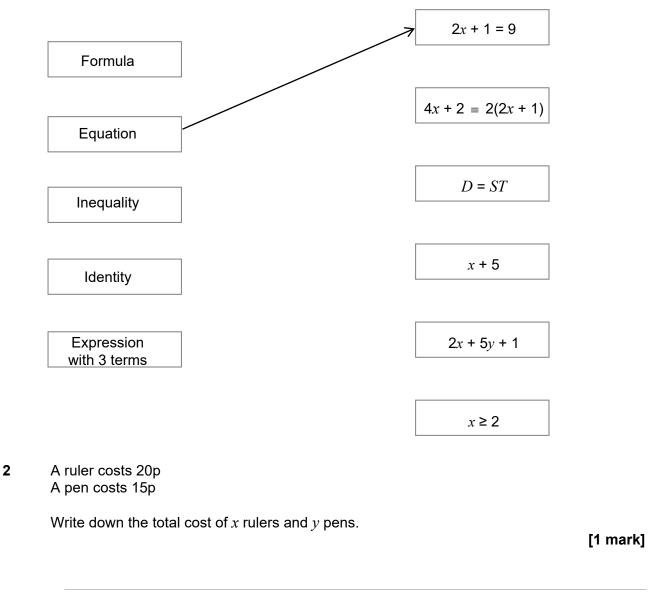
## Topic Test 1 (20 minutes)

Algebra recap and extension (non-calculator) - Foundation

Match the boxes on the right with the equivalent box on the left.
One of them has been done for you.

[3 marks]

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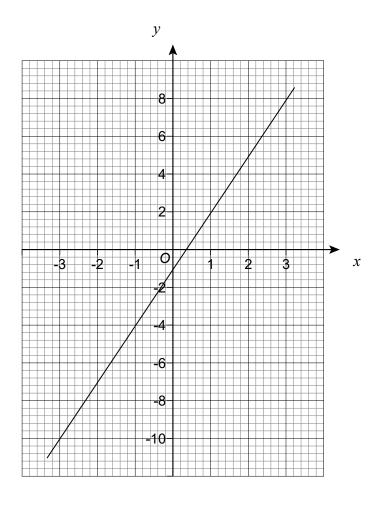


Answer

Work out an expr	ession fo	r the <i>n</i> th	n term of	f this se	quence.	
	2	6	10	14		[2 marks]
		Ans	wer			
Factorise						
4 <i>x</i> – 6						[1 mark]
		Ans	swer			
$x^2 - 7x + 12$						[2 marks]
		Ans	swer			

5	Simplify fully $5t + 2w + 3t - w$	[2 marks]
6	Answer	[3 marks]
	Answer	
7	Solve the equation $3x + 14 = 2$	[2 marks]
	<i>x</i> =	
8	Solve the equation $5x + 1 = 2(x + 4)$	[3 marks]
	Answer	

**9** Here is the graph of y = 3x - 1



Use the graph to find the solution to 3x - 1 = 0

[1 mark]