Easter Murder Mystery

Solve the equations to find **the weapon** that was used in the murder.

Solve the equations and add together the answers.

$3x = 18$ $x =$	$x - 4 = 11$ $x =$	$5x - 4 = 21$ $x =$	$2 = 4 + 2x$ $x =$

If your answer is:

19, then the weapon is an Easter basket.

25, then the weapon is a pancake.

27, then the weapon is a decorated egg.

32, then the weapon is a toy bunny.

Substitute the values to find **the name** of the murderer.

Substitute the values into each expression.

Then, using the alphabet so that A = 1, B = 2 and so on, find an anagram of the name of the person who committed the murder.

Finally, unscramble the anagram.

$2a$ when $a = 7$	$x - 5$ when $x = 7$	$3b - 1$ when $b = 5$

$2c^2 + 3$ when $c = 3$	$5(y + x)$ when $x = 7$ and $y = -2$

Find the nth terms to find **when** the murder occurred (dd/mm/yy).

The **day** is given by the 7th term of a).
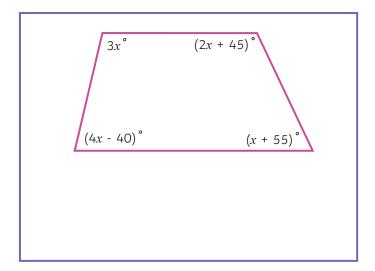
The **month** is given by the 15th term of c).
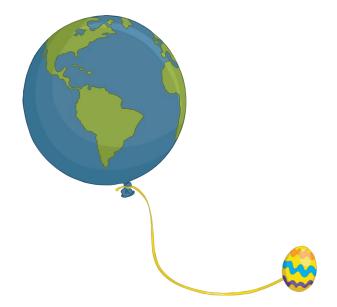
The **year** is given by the 15th term of b).

a) 1, 3, 5, 7...	b) -1, 5, 11, 17...	c) 20, 18, 16, 14...
Find the nth term and the 7th term	Find the nth term and the 15th term	Find the nth term and the 10th term

Form and solve an equation to find **where** the murder occurred.

The diagram shows a quadrilateral with its angles marked. Form an equation and solve for x.

- If x is 45, then it occurred in London.

- If x is 35, then it occurred in Manchester.

- If x is 30, then it occurred in York.

$3x°$ $(2x + 45)°$

$(4x - 40)°$ $(x + 55)°$

Easter Murder Mystery Solution

The murderer was a **Bunny** who used a **pancake** in **York** on **13/02/83**.