

Application - GD

- 1) Eva spends 92p on yo-yos and sweets

She buys y yo-yos costing 11p and s sweets costing 4p.

Can you write an equation to represent what Eva has bought?

How many yo-yos and sweets could Eva have bought?

- 2) Can you write a similar word problem to describe this equation?

$$74 = 15t + 2m$$

- 3) Look at these equations.

Which equation below is also true?

$$b = 2a$$

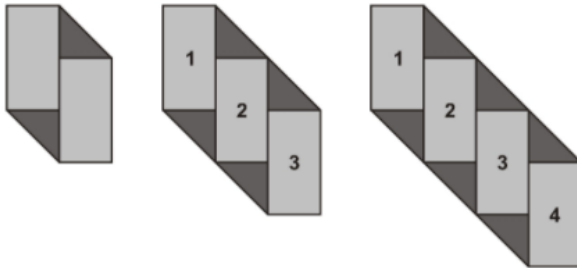
$$a = 2b + 3c$$

$$a = 5c$$

$$a = 6c$$

$$a + b = 5$$

- 4a) Each rectangle has been numbered.



The pattern continues to grow in this way.

How many triangles will there be in the shape that has **50 rectangles** in it?

- b) **T** stands for the number of triangles in each shape.

R stands for the number of rectangles in each shape.

What is the rule connecting **T** and **R**?