10 Here are the ingredients needed to make 20 peanut butter cookies.

> Makes 20 cookies
>
> 250 g peanut butter
> 200 g sugar
> 2 small eggs

Derek wants to make 60 cookies.

He has 900 g of peanut butter.

Does Derek have enough peanut butter to make 60 cookies?
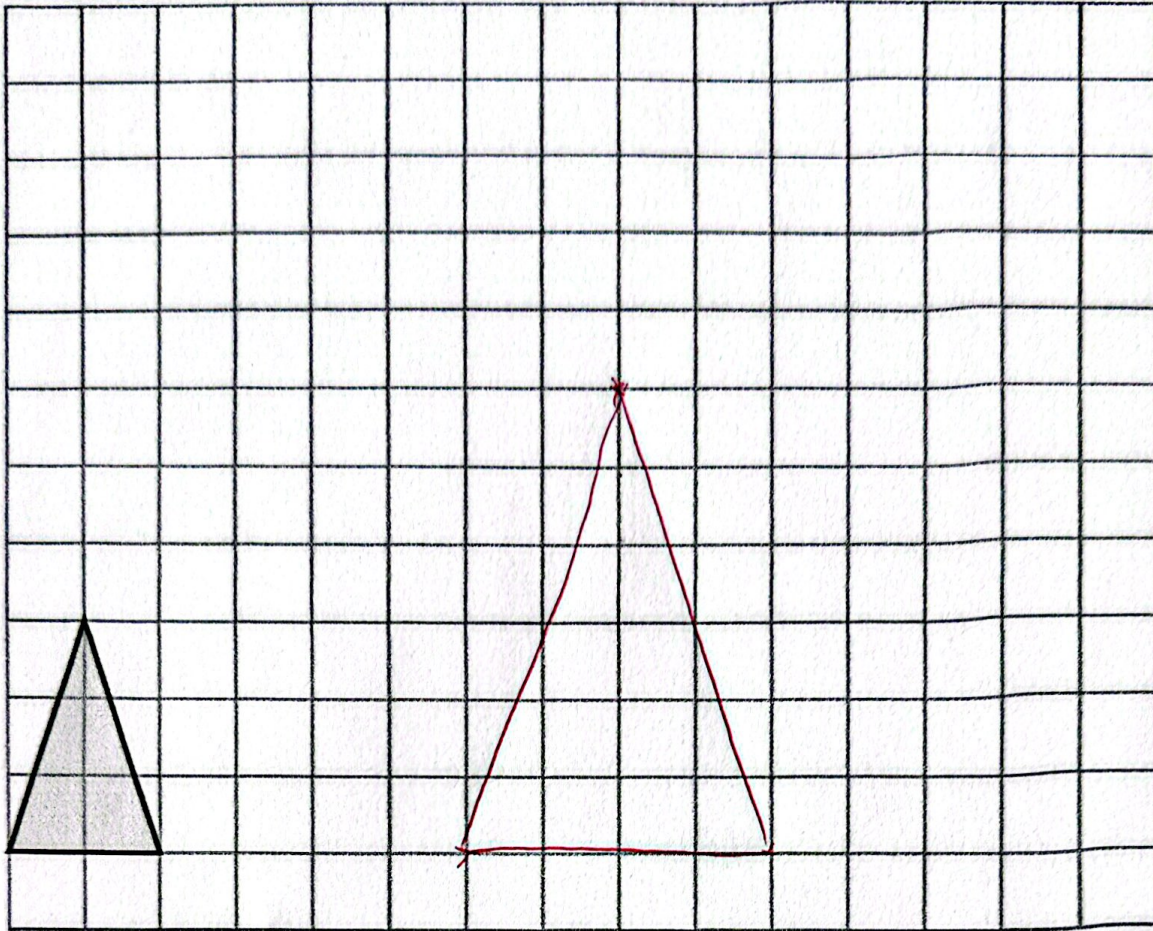You must show how you get your answer.

$$60 \div 20 = 3$$

$$3 \times 250 = 750$$

Yes

(Total for Question 10 is 3 marks)

On the grid, draw an enlargement of the triangle with a scale factor of 3

(Total for Question 11 is 2 marks)

12 $P = 2g + 4h$

(a) (i) Work out the value of P when $g = 3$ and $h = 5$

$$2 \times 3 + 4 \times 5$$

$P = $ 26

(2)

(ii) Work out the value of g when $P = 38$ and $h = 3$

$$38 = 2g + 4 \times 3$$

$g = $ 662

(2)

$V = 3r - q$

(b) Work out the value of V when $r = -3$ and $q = 2$

$$3 \times 3 - -2$$

$V = $ 12

(2)

(Total for Question 12 is 6 marks)

13 Chloe is making scrunchies.

Chloe has a large number of hair bands.
Each hair band costs 8p.

She buys 100 g of wool for £3

Chloe uses 1 hair band and 5 g of wool to make each scrunchy.
She makes as many scrunchies as she can.

Work out the total cost of each scrunchy that she makes.
Give your answer in pence.

$100 \div 5 = 20$

.......................0. 23..............p

(Total for Question 13 is 4 marks)