Extension

GD 1 Jessica has a bag with 20 sweets in and Jon has a bag with 30 sweets in. Jessica eats 25% of her sweets. Jon eats 60% of his sweets.

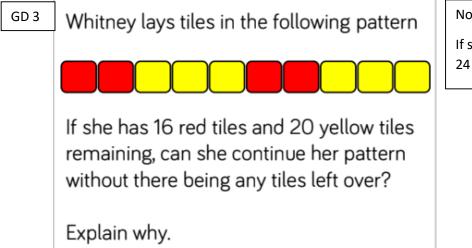
Who has the most sweets left?

Jessica has 20 and eats 25%, which is 5. She has 15 left.

Jon has 30 and eats 60%, which is 18. He has 12 left.

Jessica has the most left.

GD 2 Enlarge this shape by a scale factor of 2.



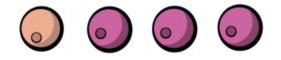
No. 16:20 is not the same ratio as 2:3.

If she had 16 red tiles, she would need 24 yellow tiles.

GD 4	There are some red and green cubes in a bag. $\frac{2}{5}$ of the cubes are red.						
	True or False?						
	 For every 2 red cubes there are 5 green cubes. For every 2 red cubes there are 3 green cubes. For every 3 green cubes there are 2 red cubes. For every 3 green cubes there are 5 red cubes. 						
	Explain your answers.	If 2/5 are red, that means 2 are red and the other 3 are green					

GD 5

Annie is making some necklaces to sell. For every one pink bead, she uses three purple beads.



Each necklace has 32 beads in total.

The cost of the string is $\pounds 2.80$ The cost of a pink bead is 72p. The cost of a purple bead is 65p.

How much does it cost to make one necklace?

Pink : Purple = Total							
1	:	3	=	4	(need to x8 to get total of 32)		
8	:	24	=	32			
8 x 72p = 576p (£5.76)							
24 x 65p = 1560p (£15.60)							
£2.80 + £5.76 + £15.60 = £24.16							

Recipe for 6 people is needed to make soup for: 3 people 1 onion 60 g butter 9 people 180 g lentils 1 person 1.2 litres stock 480 ml tomato juice What else could you work out? Onion : Butter : Lentils : Stock : Tomato juice = People : 60g : 180g : 1.2l : 480ml 1 = 6 people : 30g : 90g : 0.6l : 1/2 240ml = 3 people 1½ : 90g : 270g : 1.8l : 720ml = 9 people 1/6 : 10g : 30g : 0.2l : 80ml 1 person = Remember, it is usually easiest to refer back to the original ratio that you are given and multiply or divide from that example. 120g butter = 10 flapjacks so This recipe makes 10 flapjacks. 12g butter = 1 flapjack Flapjacks 180g ÷ 12 = 15 120 g butter He can make 15 flapjacks 100 g brown sugar

For the ratio, we need to multiply by 1 1/2

Butter : Sugar : Syrup : Oats : Sultanas = Flapjacks 120g : 100g : 4 tbsp : 250g : 40g = 10 180g : 150g : 6 tbsp : 375g : 60g = 15

How much of the other ingredients will he need?

What is the largest number of flapjacks

4 tablespoons golden syrup

250 g oats 40 g sultanas

Amir has 180 g butter.

he can make?

How much of each ingredient

GD 7

GD 6