

WEDNESDAY – LEVEL 3 RPS

Each nail weighs 3.85 grams. 

There are 24 nails in a packet.

What would be the total mass of 60 packets of nails? Give your answer in kilograms.

How many packets would you need if you wanted $\frac{1}{2}$ kg of nails?

How many grams of nails would be left over?

Here is a recipe for 8 cupcakes.

a) Complete the recipe for 24 cupcakes.

Cupcakes (makes 24)	
	butter
	sugar
	eggs
	vanilla extract
	flour
	milk

Cupcakes (makes 8)
100 g butter
100 g sugar
2 eggs
1 tsp vanilla extract
120 g flour
4 tbsp milk

b) Mo has half a kilogram of butter and plenty of the other ingredients.

What is the greatest number of cupcakes he can make using this recipe?

1) Use the statements to match each volume of orange squash given below to each of the bottles.



Volumes:	
0.11l	0.25l
0.9l	775ml
150ml	

- A**  Contains more than bottle B but less than Bottle C.
- B**  Contains between 0.1 and 0.2l.
- C**  Contains 0.025l more than $\frac{3}{4}$ l.
- D**  Contains a lower volume of orange squash than Bottle B.
- E**  Contains more than bottle C.