

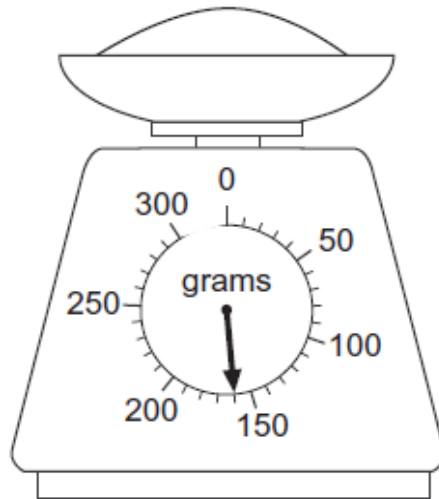
GCSE MATHEMATICS

Topic tests - Foundation tier- Real life

Name _____



- 1 Neil is baking.
1 (a) He weighs some sugar.

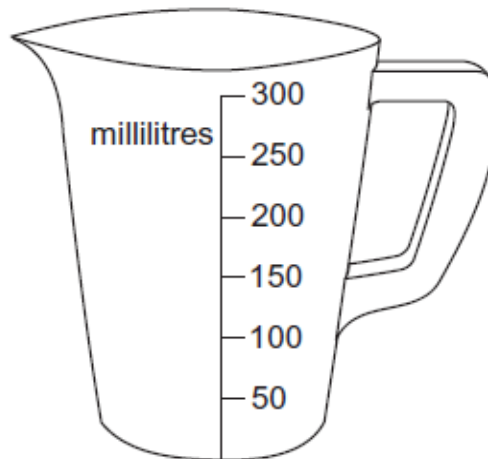


How much does the sugar weigh?

[1 mark]

Answer _____ grams

- 1 (b) He has this jug.



He needs to put 500 millilitres of milk in a bowl.

How can he use the jug to do this?

[2 marks]

- 2 Sarah only has £14.50
She sees this offer.



Can she afford to buy two pizzas?
You **must** show your working.

[2 marks]

3 Here are some of the ingredients for a pie.

Minced lamb	450 g
Potatoes	900 g
Carrots	75 g
Stock	300 ml

Oliver has only 300 g of minced lamb.

How much of the other ingredients should he use?

[3 marks]

Potatoes _____ g

Carrots _____ g

Stock _____ ml

4 Mr Singh uses 967 units of electricity.

He pays

26 pence per unit for the first 135 units.

19.5 pence per unit for the rest of the units.

Is £200 enough to pay for the electricity he uses?

You **must** show your working.

[5 marks]

5 A smoothie recipe uses banana, kiwi and yoghurt in the ratio 4 : 1 : 3 by weight.

5 (a) A smoothie is made using 280 g of banana.

How much kiwi and yoghurt are needed?

[3 marks]

Kiwi _____ g

Yoghurt _____ g

5 (b) Each smoothie costs 72p to make.

The smoothies are sold at the school fayre.

The school wants to make at least 30% profit on each smoothie.

Work out the cheapest selling price to do this.

[4 marks]

Answer _____

6 Here are two adverts for van hire.

Vijay's Vans
£ 40 for the first 50 miles
plus
30p for each extra mile

U-Drive Vans
48p per mile

Which company charges less for 120 miles?
You **must** show your working.

[5 marks]

Answer _____

END OF QUESTIONS