

1. Milan wants to put her folders in her new book shelf.

All Milan's folders are 4.3 cm wide.

The width of Milan's book shelf is 0.76 metres wide

Can Milan fit 18 folders side by side on the shelf?

You must show your workings.

1.

2. Nangwaya asked “Does the average Britain eat their own body weight in food in 30 days?”

Use these facts to answer Nangwaya’s question

In Britain the average weight of food eaten per person per day is 1277 grams¹

The average man in the UK weighs 83.6 kg²

The average woman in the UK weighs 70.2 kg²

You must explain your workings,

¹ Source www.skeptics.stackexchange.com quoting British Journal of Nutrition Vol 45, Issue 1

² Source www.bbc.co.uk quoting the Office of National Statistics 13 October 2010

2.

3. Malik drank a small coffee on 27 days last month.

Each small coffee had a volume of 227 ml.

He thinks he has drunk over 5 litres of coffee last month.

Is Malik correct.

Explain how you decide.

3.

Answers

1. no + workings out: correct multiplying method with only one error M1, $18 \times 4.3 = 77.4 > 76\text{cm}$ OR in metres A1 + C1
2. no + workings out: correct multiplying method with only one error M1, $1.277 \times 30 = 38.31 < 70.2\text{kg}$ OR in grams A1 + C1
3. yes + workings out: correct multiplying method with only one error M1, 5.902 $\hat{=}$ 5 litres or 5902 $\hat{=}$ 5000 ml A1 + C1