



Aberdare Community School  
Mathematics Department

WJEC GCSE  
**Foundation – Non Calculator**  
Number

# Recipes

Name: .....

Set: .....

Date: .....

Teacher: .....

15. A recipe for making 10 fruit oat bars has the following ingredients.

**10 Fruit Oat Bars**

80 grams Butter  
80 grams Brown Sugar  
2 tablespoons Golden Syrup  
130 grams Porridge Oats  
140 grams Dried Fruit  
2 tablespoons Sunflower Seeds

- (a) Gillian is making fruit oat bars for a charity stall. Complete the following table to show the quantity of each ingredient needed to make 150 fruit oat bars.

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**150 Fruit Oat Bars**

..... grams Butter  
..... grams Brown Sugar  
..... tablespoons Golden Syrup  
..... grams Porridge Oats  
..... grams Dried Fruit  
..... tablespoons Sunflower Seeds

[3]

- (b) When Linda makes 100 fruit oat bars, she buys a 2 kg bag of porridge oats. Find the weight of porridge oats left over after making the bars. Give your answer in grams.

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[3]

(c) A recipe book states that 1 ounce is equivalent to 25 grams. Using this information find whether 5 ounces of butter is sufficient to make 20 fruit oat bars. Show calculations to support your answer.

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[3]

15.

### Mixed Berry Yogurt Shake

Serves **8** people

Ingredients:      4 cups semi-skimmed milk  
                          4 cups low fat natural yogurt  
                          16 ounces mixed summer fruits  
                          4 tablespoons of honey

The recipe for Mixed Berry Yogurt Shake appears in an old cookery book. Inside the cover of the book the reader is told that 1 cup = 250 ml, 4 ounces is approximately 115 g and 1 tablespoon is 15 ml.

(a) Complete the recipe below for serving 8 people using ml and g.

### Mixed Berry Yogurt Shake

Serves **8** people

Ingredients:      ..... ml semi-skimmed milk  
                          ..... ml low fat natural yogurt  
                          ..... g mixed summer fruits  
                          ..... ml of honey

[4]

(b) Jamie has large quantities of natural yogurt, mixed summer fruits and honey but only has 5.5 litres of semi-skimmed milk. Find the largest number of people for whom Jamie can make Mixed Berry Yogurt Shakes.

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[3]

15.

**Pasta with cheese and asparagus sauce**

Serves 4 people

Ingredients:

- 4 ounces Butter
- 8 ounces Asparagus
- 12 ounces Pasta
- 1 Onion
- 2 tablespoons Stock
- $\frac{2}{3}$  cup Cream
- 3 ounces Cheese

The recipe in Tamara's cookery book for pasta with cheese and asparagus sauce is shown above.

Information to convert units is also given, as follows:

- 1 cup is approximately 240 ml
- 4 ounces is approximately 115 g
- 1 tablespoon is 15 ml

(a) Complete the recipe for serving **8 people** using **ml** and **g**.

[4]

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**Pasta with cheese and asparagus sauce**

Serves 8 people

Ingredients:

..... g Butter

..... g Asparagus

..... g Pasta

..... Onions

..... ml Stock

..... ml Cream

..... g Cheese

(b) Tamara has a  $\frac{1}{2}$  litre carton of cream.  
 She has large quantities of all the other ingredients.  
 Calculate the largest number of portions of pasta with cheese and asparagus sauce that  
 Tamara can make using as much of the cream as possible. [4]

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