**S1 HE Starting to Cook Numeracy Homework**

**Name: Class:**

1. a) The table below shows the quantity of each ingredient required to make one portion of Brushetta. Calculate the quantities required to make enough for three and eight portions.

|  |  |  |
| --- | --- | --- |
| **Ingredients required for 1 portion** | **Ingredients required for 3 portions** | **Ingredients required for 8 portions** |
| * 1 ciabatta roll
 |  |  |
| * 2 x 15ml chopped tomatoes
 |  |  |
| * 25g cheese
 |  |  |
| * 1 x teaspoon pesto
 |  |  |

b) What would happen if you increased the quantity of the chopped tomatoes, but did not increase the proportion of any of the other ingredients?

1. a) In the recipe for Rock Buns you need 100g of self-raising flour to 25g of margarine. Find the ratio between the two ingredients.

b) If you increased the quantity of self-raising flour to 150g how much margarine would you need to use?

1. a) In the recipe for Oatie Cookies you need 75g of self raising flour to 50g of margarine. Find the ratio between the two ingredients.

b) If you increased the recipe to 300g of self-raising flour, how much margarine would you need to use?

**Teacher Judgement:**

Link to numeracy across the curriculum benchmarks -

**E& O:** *MNU 3-07a* – I can solve problems by carrying out calculations with a wide range of fractions, decimal fractions and percentages, using my answers to make comparisons and informed choices for real-life situations.

**Benchmark 1:** Solves problems in which related quantities are increased or decreased proportionally.

Yes / No

**Benchmark 2:** Expresses quantities as a ratio and where appropriate simplifies.

Yes / No