**Shortbread Task**

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| MNU 2-11b MNU 3-01a MNU 3-08a MNU 3-09a MNU 2-09b | |
| **Learning Intentions**   * I can round a number using an appropriate degree of accuracy, having taken into account the context of the problem. * I can solve problems by carrying out calculations involving ratios that are increased or decreased proportionally using my answers to make comparisons andapply this to solve problems in everyday contexts * I can compare different prices for a product and explain which offer best value. * I can use the terms profit and loss in buying and selling activities and make calculations for this. * I can use common units of measure, convert between related units of the metric system and carry out calculations when solving problems. | **Success Criteria**   * Rounds in a way appropriate to the context of the question. * Solves problems where quantities are increased or decreased proportionally. * Selects and communicates processes and solutions. * Can select product that is the best value and can justify the choice made. * Can convert between units of weight and money as appropriate. * Can demonstrate, by calculation, their understanding of the term profit. |

S2: Shortbread Task

The senior hospitality class are making shortbread to sell at the interval of the school show.

The recipe they are given is a ratio as shown below:

Butter : Sugar : Plain Flour

60g : 30g : 90g

This is enough to make 6 large biscuits.

The ingredients are purchased from the local supermarket Waitco:

Plain Flour: 500g = 40p 1.5kg = 75p

Butter : 250g = £1.18

Caster Sugar: 500g = £1.10 2kg = £2.65

The class are optimistic and think they can sell 240 biscuits at 25p each. If they achieve their goal what is the maximum profit that the class will make?