**Ratio and Proportion (H)**

Post-Intervention Assessment

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Question** | **Objective** | **RAG** |
| 1 | Calculate the best value product |  |
| 2 | Calculate with recipes |  |
| 3 | Calculate with exchange rates |  |
| 4 | Use direct and inverse proportion |  |

**1.** Potatoes cost £9 for a 12.5 kg bag at a farm shop.

The same type of potatoes cost £1.83 for a 2.5 kg bag at a supermarket.

Where are the potatoes the better value, at the farm shop or at the supermarket? You must show your working.

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**2.** Here are the ingredients needed to make 12 shortcakes.

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| **Shortcakes**  Makes **12** shortcakes  50g of sugar  200g of butter  200g of flour  10ml of milk |

Liz makes some shortcakes. She uses 25 ml of milk.

(a) How many shortcakes does Liz make?

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Robert has

500 g of sugar

1000 g of butter

1000 g of flour

500 ml of milk

(b) Work out the greatest number of shortcakes Robert can make.

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**3.** The exchange rate in London is £1 = €1.14 The exchange rate in Paris is €1 = £0.86

Elaine wants to change some pounds into euros.

In which of these cities would Elaine get the most euros? You must show all of your working.

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**4**. f is inversely proportional to d.

When d = 50, f = 256

Find the value of f when d = 80

f = ...........................................................

[Glue here]