**Ratio and Proportion (F)**

Pre-Intervention Assessment

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

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

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

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| --- | --- | --- |
| **Question** | **Objective** | **RAG** |
| 1 | Simplify ratios |  |
| 2 | Divide into a ratio |  |
| 3 | Calculate the best value product |  |
| 4 | Calculate with recipes |  |
| 5 | Calculate with exchange rates |  |

**1.** A shop sells CDs and DVDs.

In one week the number of CDs sold and the number of DVDs sold were in the ratio 3:5 The total number of CDs and DVDs sold in the week was 728

Work out the number of CDs sold.

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**2.** Amy, Beth and Colin share 36 sweets in the ratio 2 : 3 : 4 Work out the number of sweets that each of them receives.

Amy………….sweets

Beth………….sweets

Colin…………..sweets

**3.** Carrots cost £1 for a 1.2 kg bag at Tesco.

The same type of carrots cost 77 pence for a 700 g bag at ASDA.

Where are the Carrots better value? You must show your working.

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**4.** Here are the ingredients needed to make 16 gingerbread men.

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| --- |
| **Ingredients to make 16 gingerbread men**  180g flour  40g ginger  110g butter  30g sugar |

Hamish wants to make 24 gingerbread men.

Work out how much of each of the ingredients he needs.

……………… g flour

……………… g ginger

……………… g butter

……………… g sugar

**5.** Stephen imports cars from the USA. He sells them in the UK.

He has just bought a car in the USA costing $24 000. It cost him £900 to import the car to the UK.

The exchange rate is £1 = $1.45

Stephen needs to make a profit of 20% on his total costs.

Work out the least amount that Stephen must sell the car for in the UK. Give your answer in pounds.

£ …………………….

[Glue here]