Ratio and Proportion (F)

Pre-Intervention Assessment

Name: _____

Class: _____

Date: _____

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.

> **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]