

Ratio and Proportion Problems

4. Match the problem to the correct bar model. Calculate the answer.

A. Mum has made 940ml of fruit cocktail. She has used 1 part orange juice to 3 parts apple juice. How many ml of apple juice are there? _____

240ml

240ml 240ml 240ml

B. Sasha has made 520ml of squash. She has used 1 part concentrate to 3 parts water. How many ml of concentrate are there? _____

235ml

235ml 235ml 235ml

C. Pete has made 960ml of milkshake. He has used 1 part banana puree to 3 parts milk. How many ml of milk are there? _____

130ml

130ml 130ml 130ml



VF
HW/Ext

5. Here is part of a recipe for 6 Yorkshire puddings.

192g of plain flour
3 eggs
282ml of milk

A. Calculate the quantities needed for 1 person.

B. Calculate the quantities needed for 8 people.



VF
HW/Ext

6. True or false?

At Freddie's Fruit and Veg shop, I can buy 8 apples for £2.

At Apples 4 U, I can buy 6 apples for £1.80.

Apples are cheaper if I buy them from Apples 4 U.

Explain your answer.



RPS
HW/Ext

Ratio and Proportion Problems

7. Match the problem to the correct bar model. Calculate the answer.

A. Tara has mixed 939ml of paint. She has used 1 part green paint, 3 parts yellow paint and 2 parts white paint. How many ml of yellow paint are there? _____

144.5ml

144.5ml 144.5ml 144.5ml

144.5ml 144.5ml

B. Mia has made 990ml of fruit juice. She has used 1 part lemon juice, 3 parts apple juice and 2 parts orange juice. How many ml of orange juice are there? _____

156.5ml

156.5ml 156.5ml 156.5ml

156.5ml 156.5ml

C. Neil has made 867ml of milkshake. He has used 1 part strawberry juice, 3 parts yoghurt and 2 parts milk. How many ml of yoghurt are there? _____

165ml

165ml 165ml 165ml

165ml 165ml



VF
HW/Ext

8. Here is part of a recipe for 8 individual trifles.

500ml of custard
196g of strawberries
4 tsp of sherry

A. Calculate the quantities needed for 1 person.

B. Calculate the quantities needed for 5 people.



VF
HW/Ext

9. True or false?

At Sally's Supermarket, I can buy 4 cans of beans for £1.24.

At Cheap-as-Chips, I can buy 5 cans of beans for £1.30.

At Bargains for You, I can buy 7 cans of beans for £1.75

Beans are cheaper if I buy them from Cheap-as-Chips.

Explain your answer.



RPS
HW/Ext