NAME

Time:

Non-Calculator Questions

1   In a car park, there are 15 red cars and 25 blue cars.

Write the ratio of the number of red cars to the number of blue cars.

Give your ratio in its simplest form.

(2 marks)

3   Peony mixes red paint and white paint in the ratio 1:3

She uses four tins of red paint.

Work out the total number of tins of paint Peony uses.

(2 marks)

5   Write the ratio 1.8 : 4.2 in simplest form.

(2 marks)

7   Share £35 in the ratio 2:3

(2 marks)

Calculator Questions

9 Write the ratio 18:15 in the form n:1

(1 mark)

11 The ratio of butter to flour in a cake recipe is 3:5

   a Henry uses the recipe and finds he needs 300 g of butter.

     Work out the amount of flour Henry needs.

(2 marks)

   b Raj needs a total of 600 g of butter and flour.

     Work out the amount of butter and the amount of flour he uses.

(3 marks)

13 Marlene is choosing a jar of marmalade.

She sees three different sizes of jars.

Small	**Medium**	**Large**
340 g	400 g	520 g
£1.90	£2.10	£2.80

Which jar is the best value for money?

You must show all your working.

(4 marks)

15 Here is a recipe to make 24 biscuits.

> **Biscuits – makes 24**
> 250 g butter
> 149 g caster sugar
> 1 egg
> 2 teaspoons vanilla essence
> 300 g flour

a Mickey wants to make 60 biscuits for a fete.

Find the amount of caster sugar he should use.

(2 marks)

b Vijay is also making biscuits for the fete.

She has 1 kg of butter and plenty of all the other ingredients.

Work out the maximum number of biscuits Vijay can make.

(2 marks)

17 The sizes of the angles in a triangle are in the ratio 1:4:7

Work out the size of the largest angle in this triangle.

(3 marks)

Overall mark	/25