**End of Unit Test** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ratio and Proportion - FOUNDATION**

1) A drink is mixed in the ratio

lemonade : orange : cranberry = 6 : 3 : 2

What fraction is orange? Circle your answer.

 $\frac{3}{8}$ $\frac{2}{11}$ $\frac{3}{11}$ $\frac{6}{11}$

 **(Total 1 mark)**

2) 120 adults complete a survey. 45 are men. Write the ratio of men : women in its simplest form.

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Answer ......................................................................

**(Total 2 marks)**

3) Divide 270 in the ratio 3 : 2 : 1

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 Answer ............... : ............... : ...............

**(Total 3 marks)**

4) At a school, number of boys : number of girls = 9 : 7. There are 116 more boys than girls. Work out the total number of students at the school.

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Answer ............................................

**(Total 3 marks)**

5) Here are the ingredients to make 8 biscuits.

 75 g flour

50 g sugar

40 g butter

 2 egg yolks

Work out the ingredients to make 20 biscuits.

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 ............................................................................... g flour

 ............................................................................... g sugar

 ............................................................................... g butter

 ............................................................................... egg yolks

**(Total 3 marks)**

6) Here are two offers for batteries.

 

Zak wants to buy 40 batteries. Which is the cheaper offer? You must show your working.

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Answer ......................................................................

**(Total 5 marks)**

7) Laura buys a saddle in the UK for £950. Delivery is free.

 Steve buys the same saddle from Holland for 990 Euros. He pays 30 Euros for delivery.

£1 = 1.10 Euros

Including the delivery charge, whose saddle is cheaper? You must show your working.

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Answer ......................................................................

**(Total 3 marks)**

**(Total for test = 20 marks)**