Ratios - Practice Exercises

Question 1

Reduce the following ratios:

No.	Ratios	Answer
1	25:36	
2	99:27	
3	13:65	
4	7:28	
5	10:70	

Question 2

Change the ratios into fraction format:

No.	Ratios	Answer
1	13:69	
2	39:87	
3	14:78	
4	12:96	
5	78:13	

Question 3

Ash wants to buy a box of donuts with two chocolate donuts for every six originals. The shop sells two packs with 9 and 15 originals respectively. Ash can add any number of chocolate donuts to the packs. How many chocolate donuts would Ash add to each of the boxes for the desired ratio?

Question 4

Matt is making a homemade oven cleaner with water, vinegar and lemon juice. He knows that the ratio of water to vinegar in the mixture needs to be 3:2. He has prepared 750ml of the mixture with 50ml of lemon juice in it. How much vinegar is there in the mixture?

Question 5

In a 24 crayon pack, there are 8 shades of red, 5 shades of Blue, 4 shades of yellow and the rest are shades of green. What is the ratio of red crayons to green crayons?

Question 6

A shop sells blueberry muffins and white choc muffins every day. They start the day with the ratio of 3:5 for blueberry muffins to white choc muffins. On a particular day, they sold 5 blueberry muffins and 27 white choc muffins making the ratio of remaining white choc muffins to remaining blueberry muffins 1:2 at the end. How many muffins of each type were there at the start of the day?