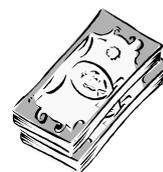


## Ratio (2)

1. Sarah and Debbie are going to split 40 sweets in the ratio 2:3.  
How many sweets will each get?



2. Jim and Neil are going to split £120 in the ratio 5:7.  
How much will each person get?



3. 150 children are asked whether their favourite pet was a dog or a cat.  
The ratio of those who chose dogs to cats was 11:4.  
How many children chose a dog as their favourite pet?

4. Amanda and Nadia are going to split £270 in the ratio 4:5.  
How much will each get?



5. One November the ratio of wet days to dry days was 3:2.  
How many wet days were there in November?

6. Blue and red paint are mixed together in the ratio of 3:1.  
Altogether 18 litres of paint is obtained.  
How much of each colour was used?

7. 120 people were asked to name the singer shown opposite.  
The ratio of those who knew the singer to those who did not  
was 4:1. How many people knew who the singer was?



8. 234 pupils in 3<sup>rd</sup> year were checked to see if they had been given  
the BCG vaccination. The ratio of those who had the vaccination  
to those who had not was 7:2.  
How many 3<sup>rd</sup> years had not been given the vaccination?

9. 250 people took part in a quiz. A still from a movie was shown.  
The ratio of those who could name the movie to those who could  
not was 2:3.  
How many people could not name the movie?



10. In a survey of 400 learner drivers who sat their driving test, the ratio  
of passes to fails was 5:3.  
How many people failed their driving test?



11. 2200 people were asked whether they recognised the landmark  
shown. The ratio of those who knew the landmark to those who  
did not 7:4.  
How many people recognised the landmark?



12. Over a season the ratio of goals for to goals against in games involving Lanchester Rovers was 3:2.  
Overall 160 goals were scored in the games they played.  
How many goals were scored for?

13. In a bee-hive there are 28 000 bees. The ratio of male to female bees is 1:79.  
How many female bees are in the hive?



14. 150 adults were asked whether they could name the book with the first line

‘It was the best of times, it was the worst of times’

The ratio of those who knew the book to those who did not was 2:13. How many people could name the book?

15. In a survey 27 300 people were asked if they had satellite TV or not.  
The ratio of those with satellite TV to those who did not was 9:4.  
How many people did not have satellite TV?



16. A chemical compound is made by combining carbon and iron in the ratio 2:5. The resulting compound weighs 840 grams. How much of the compound is carbon?

