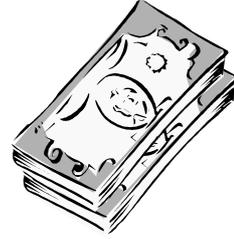


## Ratio

1. John and David are going to split £60 in the ratio 2:3. How much will each get?



2. Amanda and Laura are going to split £28 in the ratio 4:3. How much will each get?
3. There are 160 pupils in first year at a secondary school. The ratio of boys to girls is 3:5. How many boys and how many girls are in first year?

4. 72 students sit a maths exam. The ratio of passes to fails is 2:1. How many students passed the exam?



5. Brian and Sidra are going to share 40 sweets in the ratio 2:3. How many sweets will Sidra get?
6. In a box there are 200 pens, some black and some blue. The ratio of black pens to blue pens is 7:3. How many black pens are in the box?
7. A crate contains 360 eggs. The ratio of whole eggs to broken eggs is 7:2. How many broken eggs are in the crate?
8. In a survey of 200 cars, the ratio of cars made in Britain to those made abroad is 1:4. How many of the cars were made abroad?



9. A fruit shop takes delivery of 100 pineapples. The ratio of ripe to unripe pineapples is 4:1. How many ripe pineapples are there?



10. In a survey of 150 children the ratio of those with a computer to those without is 11:4. How many owned a computer?



11. Out of 1600 people surveyed, the ratio of left-handed to right-handed people was 1:7. How many people surveyed were right-handed?

12. 65 people were asked if they owned a dog. The ratio of those with a dog to those without was 2:11. How many did not have a dog?



13. A secondary school has 110 teachers. The ratio of male to female teachers is 2:3. How many male teachers are in the school?

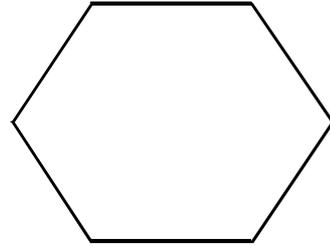
14. 200 children aged 8 years were asked if they recognised the landmark opposite. The ratio of those who knew the landmark to those who did not was 3:2. How many children knew the landmark?



15. Red, blue and green paint are mixed together in the ratio 2:3:5. Altogether this produces 40 litres of paint. How much of each type of paint is used?



16. In a class of 30 pupils the ratio of those who recognised the shape opposite to those who did not was 7:3. How many pupils did not recognise the shape?



17. Abdul (aged 6), Ben (aged 7) and Michael (aged 3) are given £48 to share by their grandfather. The money is shared in the ratio of their ages. How much will each boy get?

18. The ratio of land to water on the surface of the Earth is approximately 3:7. If the surface area of the Earth is  $5.1 \times 10^8$  square kilometres, how much of the Earth is water?



19. 500 children were asked to choose their favourite cartoon from The Simpsons, Family Guy and South Park.. The ratio of the choices was 5:2:3. How many children chose the Simpsons as their favourite?

20. A doctor surveys 2000 of his patients to find out who had a MMR vaccination as a child. The ratio of those who were vaccinated to those who were not was 4:1. How many were not vaccinated?

