



Ratio Worksheet



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| a. Split £10 into the ratio 2 : 3 | b. Split £48 into the ratio 3 : 5 |
| c. Split 50 sweets into the ratio 9 : 1 | d. Change 250ml into the ratio 7 : 3 |
| e. Split 2.50m into the ratio 3 : 2 | f. Change £6.60 into the ratio 5 : 6 |
| g. Divide 56kg into the ratio 2 : 5 : 1 | h. Split £100 into the ratio 5 : 4 : 1 |
| i. Divide 75 birds into the ratio 8 : 5 : 2 | j. Divide 1.20m in the ratio 2 : 3 : 4 |
| k. Split 3kg 600g into the ratio 1 : 2 : 3 | l. Split 1 hr 20 mins into the ratio 1 : 4 |

Ratio problems

- John has 36 sweets and he shares them in the ratio 2 : 7. How many sweets is the larger share?
- Carol has 88cm of string and cuts it in the ratio 5 : 6. How much longer is the longest piece compared to the shortest piece?
- Bill has a pile of 300 books. In the pile he has 5 fiction books for every non-fiction book. How many non-fiction books does he have?
- Emma has 1.80m of ribbon and cuts it into 3 pieces in the ratio 1 : 2 : 3. What is the length of the longest piece?
- Barry wins £8000 on the lottery, he gives $\frac{1}{4}$ to charity and shares the rest between himself, his wife and his children in the ratio 5 : 3 : 2. If he keeps the largest share, how much does he receive?
- Peter has a jug of water. He pours 400ml into a cup. The ratio of the water in the jug to that in the cup is 9 : 2. How much water was in the jug to start with?
- Jill has some sheep, they are white to black in the ratio 3 : 4. If she has 21 white sheep, how many black sheep does she have?
- Barney has 20m of wood. He uses half of it to make some shelves and then he tries to cut the remainder into 2 pieces in the ratio 3 : 5. The smallest piece is 1m 35cm. Has he made a mistake? (show your working)
- The area of Jenny's garden is 15m^2 . She divides it in the ratio 7 : 3 and plants bulbs in the smaller section. If the bulbs each need an area of 0.12m^2 to grow properly, how many bulbs should she **sensibly** plant?

