

**Dividing into a ratio (including decimals and worded problems)**

1. Philip and Kane start a sports shop and agree to split the profits in the ratio 5:7. In the first month the shop makes £3600 profit. How much do they each get?
2. Divide £400 into the ratio 5:3
3. Divide 360g into the ratio 4:5:6
4. Five friends share their lottery winnings in the ratio 5:6:3:9:11. They win £4 203 896. How much do they each get?
5. 6 friends share a bottle of lemonade in the ratio 1:5:9:7:3:5. The bottle was 600ml. How much do they each get?

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**Dividing into a ratio (including decimals and worded problems) SOLUTIONS**

1. Philip and Kane start a sports shop and agree to split the profits in the ratio 5:7. In the first month the shop makes £3600 profit. How much do they each get? £1500 and £2100
2. Divide £400 into the ratio 5:3. £250 and £150
3. Divide 360g into the ratio 4:5:6. 96g, 120g, 144g
4. Five friends share their lottery winnings in the ratio 5:6:3:9:11. They win £4 203 896. How much do they each get? £618220, £618220, £370932, £1112796, £1360084
5. 6 friends share a bottle of lemonade in the ratio 1:5:9:7:3:5. The bottle was 600ml. How much do they each get? 20ml, 100ml, 180ml, 140ml, 60ml, 100ml