

**Ratio**

1. Simplify the following ratios:
  - i) 2:6 .....
  - ii) 4:16 .....
  - iii) 50:5.....
  - iv) 16:32 .....
  
2. Write the following ratios in the form 1:n:
  - i) 3:9 .....
  - ii) 9:18.....
  - iii) 2:5 .....
  - iv) 8:4 (be careful with this one) .....
  
3. Write the following ratios in the form n:1:
  - i) 4:2 .....
  - ii) 10:2 .....
  - iii) 36:4 .....
  - iv) 1:2 (be careful with this one) .....
  
4. Divide £10 into the ratio 2 : 3  
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5. Divide £48 into the ratio 3 : 5  
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6. Divide £6.60 into the ratio 5 : 6  
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7. Carol has 88cm of string and cuts it in the ratio 5 : 6. How much longer is the longer piece of string?  
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8. 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?

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9. The angles in a quadrilateral are in the ratio 1:2:3:4. How big is the biggest angle?

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10. Emma has 27 sweets, 18 are red and the rest are blue. What is the ratio of blue to red sweets in its simplest form?

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11. A farmer owns cows, sheep and hens. The ratio of sheep to hens is 2:3. The ratio of cows to sheep is 1:6. What is the ratio of cows to hens?

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12. 3 cleaners can clean 5 cars in 75 minutes. How long does it take 2 cleaners to clean 3 cars?

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