

## Simplifying ratios

1. Write each of these ratios in its simplest form:  
a. 3:6                      b. 2:10                      c. 8:2                      d. 15:3  
e. 24:18                      f. 9:12                      g. 28:14                      h. 9:21  
i. 35:49                      j. 120:140                      k. 16:24                      l. 60:32
  
2. Write each of these ratios in its simplest form:  
a. 4:8:2                      b. 25:15:10                      c. 24:30:18  
d. 8:12:20                      e. 45:30:75                      f. 120:80:72
  
3. Write each of these ratios in its simplest form:  
a. 2kg:500g                      b. 200cm:3m                      c. £3.50:50p  
d. 1 minute:20 seconds                      e. 1.6kg:600g                      f. 1m:25mm  
g. 2 minutes:1 hour                      h. £4.20:60p                      i. 4 weeks:6 days
  
4. Write each of these ratios in the form 1:n :  
a. 2:100                      b. 3:12                      c. 2:9                      d. 5:21  
e. 12:8                      f. 4:26                      g. 50:60                      h. 21:28  
i. 500g:3kg                      j. 5 hours:1 day                      k. 64p:£1                      l. 24km:480m
  
5. A cake recipe uses 200g butter and 4 eggs. How much butter is used per egg?
  
6. Midnight purple paint is a mixture of 3 tins of red paint to 2 tins of blue paint. Aubergine purple paint is a mixture of 8 tins of red paint to 5 tins of blue paint. Which paint is the reddest? (Hint: write each ratio in the form 1:n)