Solving Ratio Problems

- (a) There are 40 flowers in a shop, a mixture of roses and tulips. If there are 12 tulips, write the ratio of roses to tulips in its simplest form.
- (b) There are bourbons and digestives in a jar. There are 36 biscuits in total. If 10 of the biscuits are bourbons, find the ratio of bourbons to digestives in its simplest form.
- (c) There are 40 socks in a drawer, either black or grey. If $\frac{3}{4}$ of the socks are black, write the ratio of black socks to grey socks in its simplest form.
- (a) The ratio of circles to squares is 6 : 1. If there are 5 squares, how many circles are there?
- (b) At the gym, the ratio of men to women is 7: 3. If there are 35 men, how many women are there?
- (c) On a washing line there are t-shirts and jumpers in the ratio 2 : 3. If there are 21 jumpers, how many t-shirts are there?
- (a) The ratio of dogs to cats is 4:1. If there are 5 cats, how many animals are there in total?
- (b) A café sells cups of tea and coffee in the ratio 8: 3. On Tuesday the café sells 72 cups of coffee. How many cups of tea and coffee did they sell in total that day?
- (a) Bill has a total of 50 black or white counters. If there are 3 black counters for every 2 white counters, how many black counters are there?
- (b) Maryam eats bananas and apples in the ratio 5 : 2. Last week she ate 8 apples. How many bananas did she eat?
- (c) A packet contains lime or lemon flavour sweets in the ratio 2 : 7. If there are 36 sweets in total, how many are lemon flavour?

- (a) R: T 28:12/ 7:3
- (b) B: D 10: 26 5:13
- (c) B: G 30:10
 - (a) C:5
- (b) M: W 7:3
- (c) T: J 2: 3 14: 21
- (a) D: C: Total 5: 25
- (b) T: C: Total 8:3:11 72:26H
- (a) B: W Total 30: 20 50
- (b) B: A 5:2 20:8
- (c) Li : Le Total
 2: 7 9