**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 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?

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