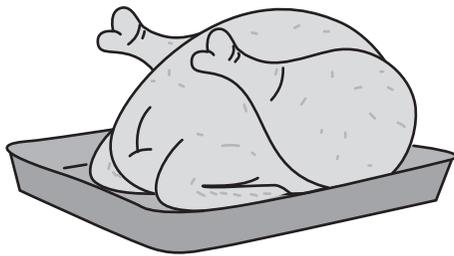


1. Naomi shares a packet of 24 pop star cards with Ben.  
For every 1 card she gives to Ben, she gives herself 2 cards.
  - (a) How many cards does she give herself?
  - (b) What proportion of the cards does Ben receive?
2. A chicken should be cooked for 50 minutes for every kilogram it weighs.  
For how long should you cook a 3.5 kg chicken?



3. At the tennis club there are 2 girls for every 3 boys.  
There are 14 girls. How many children are there altogether?
4. To make purple paint, Max mixes red and blue paint.  
He uses 200 ml of red paint for every 300 ml of blue paint.
  - (a) How much red paint will he need to make 1 litre of purple paint?
  - (b) What proportion of the paint is blue?
5. These ingredients make 20 biscuits.

Butter biscuits
200g butter
100g caster sugar
300g flour
50g semolina

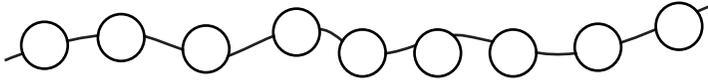
What weight of each ingredient would you need to make

- (a) 5 biscuits?
  - (b) 15 biscuits?
  - (c) 25 biscuits?
6. You weigh out 150 g of semolina to make the biscuits in question 5.
    - (a) What weight of each of the other ingredients do you need to keep the ratios?
    - (b) How many biscuits would this make?

You need red and blue colouring pencils.

Colour the beads and write the missing numbers.

1. Colour 1 red for every 2 blue.



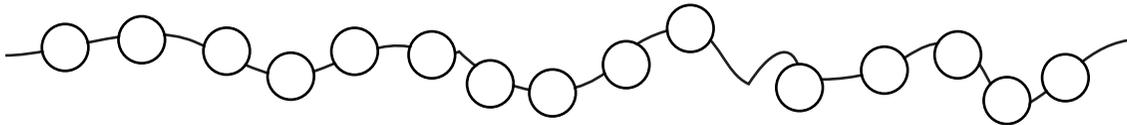
of the beads are red.

2. Colour  $\frac{1}{3}$  red and the rest blue.



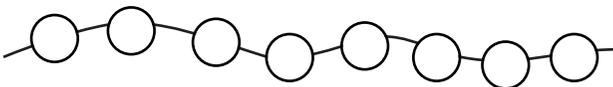
There is 1 red bead for every  blue beads.

3. Colour 2 blue for every 3 red.



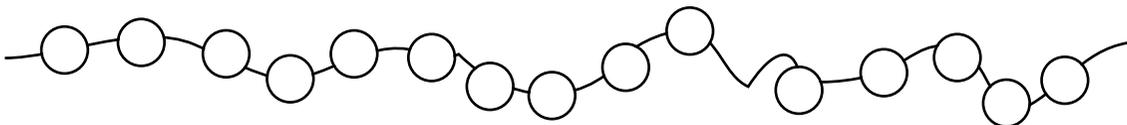
out of every 5 beads are red.

4. Colour  $\frac{3}{4}$  red and the rest blue.



There are 3 red beads for every  blue.

5. Colour 1 out of every 5 beads red and the rest blue.



of the beads are red.