**Fractions of Quantities  
Problem Solving**

1. In an orchard of the trees need pruning. There are 45 trees, how many need pruning?
2. of people surveyed voted ‘yes’ in the referendum. If 42 people were surveyed how many voted yes?
3. I have eaten of the chocolates in the box, if were 56 chocolates:  
   a) How many have I eaten?  
   b) How many are left?
4. of the tickets for a Lady Gaga concert have been sold. If there are 2000 tickets how many have been sold?
5. In a room of the people are male. If there are 60 people in the room how many:  
   a) men  
   b) women are there?
6. A shop sold of all their newspapers one morning. The rest they returned.  
   If they had 360 papers.  
   a) How many did they sell?  
   b) How many did they return?
7. In a car park of the cars are silver. There are 700 cars in the car park.  
   How many are NOT silver?
8. If of cats prefer Felix of the 500 surveyed how many do NOT prefer Felix?

Now for a really tricky one!

1. of the people in a room are under 20. If there are 15 under 20s how many over 20s are there?
2. of Dek computers are faulty. If the company has to repair 8000 one year how many did they sell?