


3. a The ticket inspector on a train counted 36 passengers.  
 $\frac{3}{4}$  of the passengers were adults.  
 How many adults were on the train?



- b  A gardener has 30 rose bushes in his garden.  
 $\frac{2}{5}$  of them are red,  $\frac{3}{10}$  are yellow and the rest are white.
- (i) How many of the bushes are red?  
 (ii) How many are white?

You may use a calculator for the rest of this exercise.

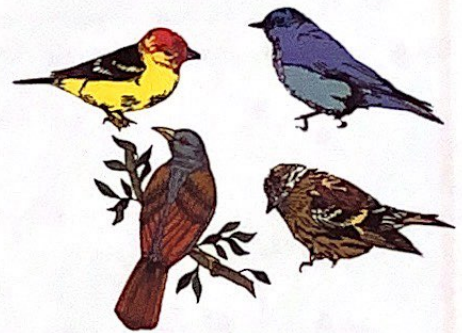


4. a Which would you prefer to have :-
- a  $\frac{4}{5}$  share in prize money winnings of £5500 or
  - a  $\frac{5}{7}$  share in a lottery win of £6300?



- b There are 365 days in a year. It rained on  $\frac{2}{5}$  of them.
- (i) On how many days did it rain?      (ii) How many dry days were there?

- c A group of bird watchers spent a weekend on an island.  
 They counted 1800 birds, of which  $\frac{1}{6}$  were from Europe,  
 $\frac{2}{9}$  were from South Africa,  $\frac{5}{12}$  were from South America  
 and the rest were local British birds.



List how many of the 1800 birds came from each area.

- d Mandy started the day with £200. She spent  $\frac{1}{4}$  of her money on the rail fare to London.  
 She spent  $\frac{1}{5}$  of **what she had left** on her lunch. She then spent  $\frac{3}{8}$  of **what was remaining** on a new pair of shoes. How much did Mandy then have left?