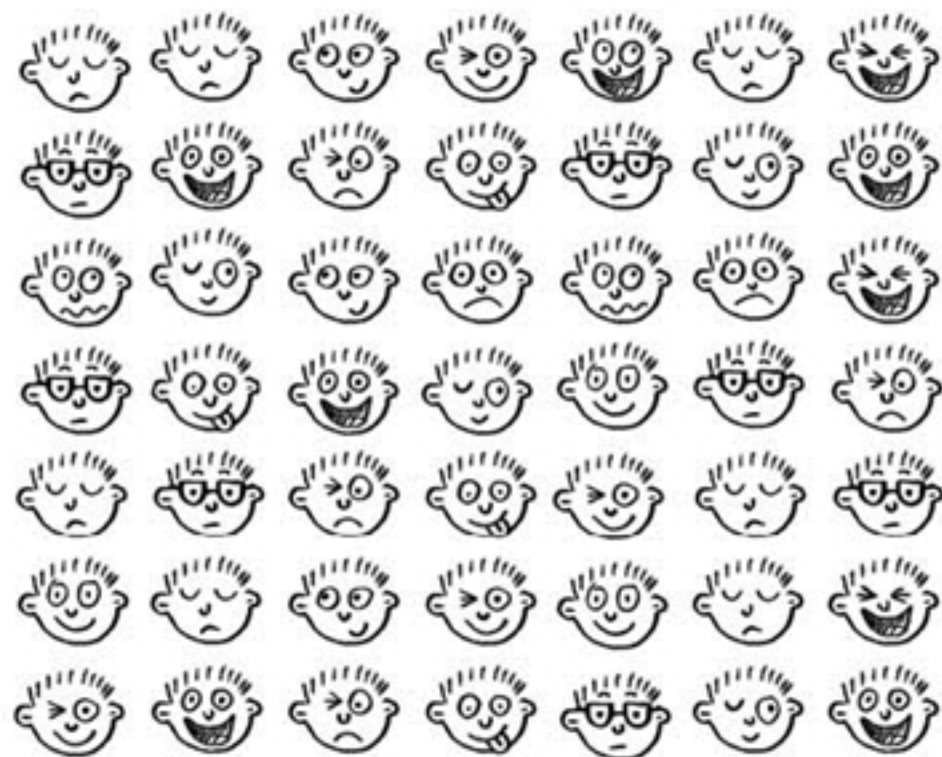
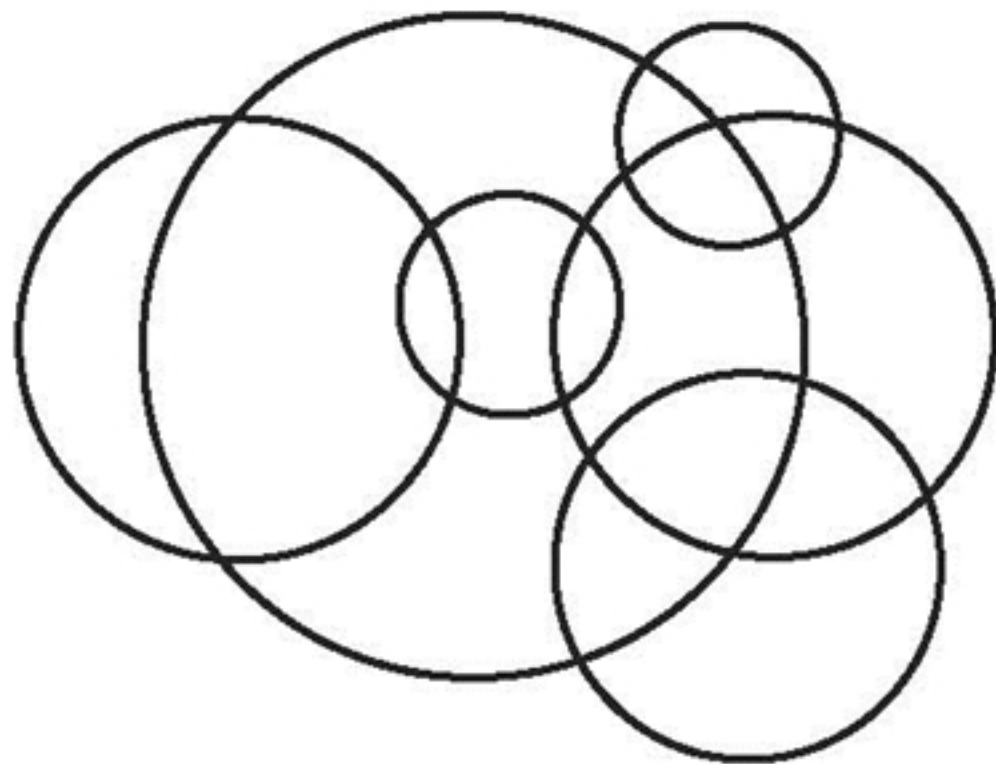




Look at these cartoon faces!



- A How many faces are there in total?
- B How many are either smiling or laughing?
- C How many have one eye closed and one eye open?
- D How many open eyes are there in total?
- E Without counting, work out how many closed eyes there must be.
- F How many are either wearing glasses or sticking out their tongue?
- G How many are both wearing glasses and sticking out their tongue?



- A How many circles are there?
- B How many different sizes of circle are there?
- C How many points are there where the lines of the circles cross?
- D Where the circles overlap, new non-circular shapes are made (which do not overlap). If you wanted to colour each of these shapes a different colour, how many colours would you need?
- E What is the least number of colours you would need to colour the non-circular shapes so that no shapes of the same colour touch at any point including their corners?