SETS PROBLEMS

1) Between 7p.m. and 7.30p.m. at the chip shop;

          27 customers bought fish,

          53 customers bought chips,

   How is it that only 60 people were served?

2) Susan bought a pack of 50 assorted foreign stamps.

          15 of the stamps came from Europe,

          11 of the stamps were triangular,

          6 of the European stamps were triangular.

   How many triangular stamps were not European?

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3) A survey was conducted to find out which television channels people had
   been watching the previous evening.

   Of the 100 people questioned:

          73 had watched BBC1,

          67 had watched ITV,

          47 had watched both.

   How many people watched neither BBC1 nor ITV?

   Can you work out how many people did <u>not</u> watch television?

4) A virus can occur in two different strains, which give rise to two
   different symptoms: headache and sniffles.

   In his surgery one morning, Dr. Smith saw 29 patients.

          14 complained of sniffles

          7 complained of headache

   How many complained of both?

5) 82 airline passengers flew from London to Paris, and 38 flew from Paris
   to Algiers. If 18 passengers flew on both flights, how many passengers
   were there altogether?

6) A box contained 20 milk chocolates. Altogether, 10 of the chocolates had
   hard centres, but only 5 of the milk chocolates had hard centres.
   If 7 of the plain chocolates had soft centres, how many chocolates were
   in the box?

7) In a small town on the French-German border;

          64% of the population are French speaking,

          58% of the population are German speaking.

   What percentage of the population are bi-lingual?