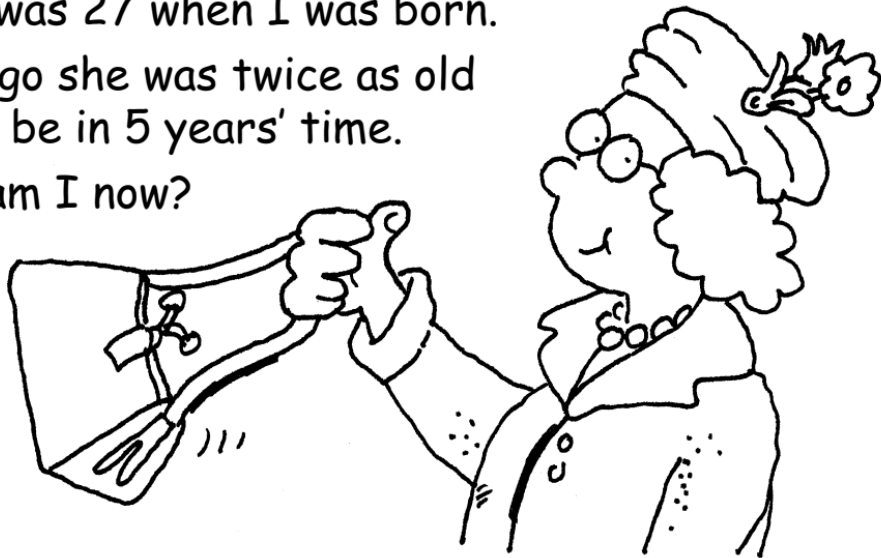# Age old problems

1. My age this year is a multiple of 8.
   Next year it will be a multiple of 7.
   How old am I?

2. Last year my age was a square number.
   Next year it will be a cube number.
   How old am I?
   How long must I wait until my age is both
   a square number and a cube?

3. My Mum was 27 when I was born.
   8 years ago she was twice as old
   as I shall be in 5 years' time.
   How old am I now?

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Teaching objectives
Solve mathematical problems or puzzles.
Know multiplication facts to 10 x 10.
Recognise square and cube numbers.