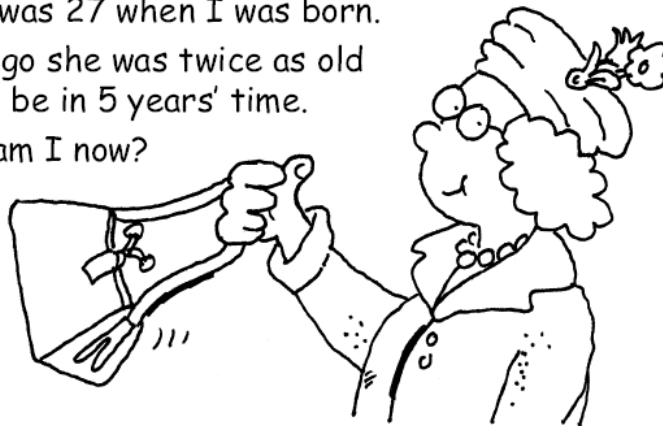


## Age old problems

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  $10 \times 10$ .  
Recognise square and cube numbers.