

# Question of the day

Day 5



(a) These are the first five terms in a Fibonacci sequence.

1 3 4 7 11

Write down the next two terms in the sequence.

(a) ..... [1]

(b) In a different Fibonacci sequence the fourth term is 31 and the fifth term is 50.

Work out the first term in this sequence.

(b) ..... [2]

(c) The second and third terms in the following Fibonacci sequence are  $x$  and  $y$ .

Write down algebraic expressions for the first, fourth and fifth terms.

.....  $x$   $y$  ..... [3]

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