1. An expression for the nth term of this sequence of even numbers is $2n$

   2 4 6 8 10

   Write down

   (i) an expression, in terms of n, for the nth term of this sequence of odd numbers

   1 3 5 7 9 . . . . . .

   (ii) the 16th odd number

   . . . . . .

2. These five even numbers form an arithmetic sequence

   2 4 6 8 10

   (i) Write down, in terms of n, an expression for the nth term of this sequence . . . . . .

   (ii) Write down the 50th even number

   . . . . . .

3. Kamran's maths teacher says an expression for the nth even number is $2n$

   Kamran says an expression for the nth odd number is $2n + 1$

   Is Kamran correct?

   You must give a reason for your answer.

   .....

   .....

4. These five odd numbers form an arithmetic sequence

   1 3 5 7 9

   (i) Write down, in terms of n, an expression for the nth term of this sequence . . . . . .

   (ii) Write down the 15th odd number

   . . . . . .

5. Write down the 18th even number.

   . . . . . .

Answers 1.(i) 2n - 1 (ii) 31 2.(i) 2n (ii) 100 3. No, two possible ways to explain are: the first odd number is 1 less than the first even number OR 2n + 1 is the sequence 3, 5, 7 ... 4.(i) 2n - 1 (ii) 29 5. 36