1. Write down the 15th even number.

1. . . . .

2. Joel says says an expression for the nth even number is $2n$

   Is Joel correct?

   You must give a reason for your answer.

   . . . .

   . . . .

3. 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 25th even number   . . . .

4. 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 14th odd number

                                           . . . .

5. Write down the 17th odd number.

5. . . . .

Answers

1. 30

2. Yes, the even numbers are multiples of 2 and 2n are multiples of 2
   or 2×1 = 2, 2×2 = 4, etc

3. (i) 2n
   (ii) 50

4. (i) 2n - 1
   (ii) 27

5. 33