

1. Write down the 15th even number.

1. ....

2. Joel says says an expression for the  $n$ th 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  $n$ th term of this sequence . . . . .

(ii) Write down the 25th even number . . . . .

4. An expression for the  $n$ th 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  $n$ th 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  $2 \times 1 = 2$ ,  $2 \times 2 = 4$ , etc
3. (i)  $2n$   
(ii) 50
4. (i)  $2n - 1$   
(ii) 27
5. 33