

1. Here are the first five terms of an arithmetic sequence.

2 6 10 14 18

Is 48 a term of the sequence?

Explain how you got your answer.

1.

2. Here are the first five terms in a number sequence.

7 15 23 31 39

Atal thinks that the number 63 is in this sequence.

Is Atal correct?

You must show how you get your answer.

2.

3. Here are the first five terms in a number sequence.

2 8 14 20

Is 42 a term of the sequence?

Explain how you got your answer.

3.

Answers:

- 1) no 48 is missed out. The sequence goes up in 4's 22 26 30 34 38 42 46 52.
 2) yes because the sequence goes up in 8's and 47 55 63 are the next terms.
 3) no because 42 is missed out. The sequence the goes up in 6's 26 32, 38 44.