

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.

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.

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sequence A (10) Q1 no The sequence goes up in 4's it jumps from 46 to 52 and misses out 48  
Q2 yes because the sequence goes up in 8's the next terms are ... 47 55 63

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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.

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

1      5      9      13      17

Is 55 a term of the sequence?

You must give a reason for your answer.

3) no because 42 is missed out. The sequence the goes up in 6's 26 32, 38 44.

4) shows 53 and 57 are in the sequence so 55 cannot be

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