

1. (a) Here are the first four terms in a number sequence.

11          22          33          44

Jackie says “If I double the 4th term, I will get the 8th term”

Is Jackie correct?

Explain your answer.

- (b) Here are the first five terms of an arithmetic sequence.

9          16          23          30          37

Mysha says “If I double the 4th term, I will get the 8th term”

Is Mysha correct?

Explain your answer.