

Name	Block H	Sheet 3		Class	Score
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Functional Problems

1)

Jessica is travelling to the airport.

Jesscia Drives

15 miles towards the motorway

90 miles on the motorway

5 miles from the motorway to airport

Jessica

Takes 25 minutes to get to the motorway

Drives at an average speed of 60mph whilst on the motorway

Takes 15 minutes to get from the motorway to the airport

Jessica will need to stop at a petrol station on the way which will last for 15 minutes

Jessica must arrive at 1:30pm at the latest. What is the latest she can leave her house?

You must show all your working.

2)

Here are the first 6 terms of the Fibonacci sequence.

1 1 2 3 5 8

The rule to continue a Fibonacci sequence is,

‘The next term in the sequence is the sum of the previous two terms.’

Which term number would push the sequence over 100?