Q1.
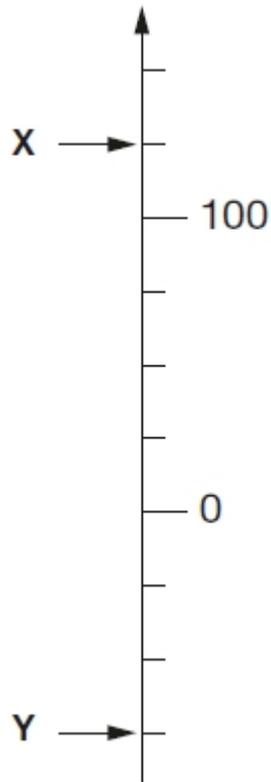
Here is part of a number line.

What is the value of **X**?

X = [ ]

What is the value of **Y**?

Y = [ ]

Q2.

The numbers in this sequence increase by equal amounts each time.

Write in the three missing numbers.

1				7

2 marks

Q3.

Liam makes a sequence of numbers starting with 300

He subtracts 125 each time.

Write the next two numbers in Liam's sequence.

300   175   50 | | | |

2 marks

Mark schemes

Q1.

(a) **X** = 125

1

(b) **Y** = -75

Do not *accept 75−*

1

[2]

Q2.

Award **TWO** marks for the sequence completed correctly as shown:

1	$2\frac{1}{2}$	4	$5\frac{1}{2}$	7

If the answer is incorrect, award **ONE** mark for two numbers correct.

Up to 2

[2]

Q3.

(a) −75 in the first box

Do not *accept 75–*

1

(b) −200 in the second box

Do not *accept 200–*

Accept a number 125 less than the answer to (a), provided the answer to 18a is negative.

1

[2]