Topics

Solve linear inequalities – Represent solutions on a number line

Questions

1. (a) Write down the integer values of x that satisfy the inequality

$$-4 \leq x < 2$$

....

(2)

(b) Solve the inequality $x - 5 < -13$

…………………………...

(1)

(Total 3 marks)

2. n is an integer such that $-9 \leq 3n < 11$

List all the possible values of n.

………………………………..

(Total 3 marks)

3. Solve the inequality $4x + 5 > -10$

....

(Total 2 marks)

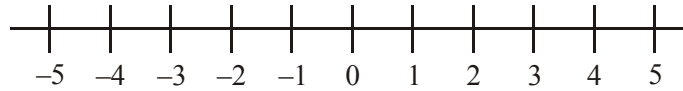**4.** Solve $7x + 1 > 50$

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(Total 2 marks)

5. (i) Solve the inequality

$$10x - 4 < 6x - 12$$

………………………

(ii) On the number line, represent the solution set to part (i).

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 +    +    +    +    +    +    +    +    +    +    +
−5   −4   −3   −2   −1    0    1    2    3    4    5
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(Total 3 marks)