



Scan for the solutions

Name: _____ **Date:** _____ **Score:** _____ / 33

- 1**
- Write "x is greater than 3" as an inequality.
 - Write "y is at most 7" as an inequality.
 - Is 5 a solution of $x \geq 5$? Give a reason.

(3 marks)

Answer _____

- 2** n is an integer.

$$-2 < n \leq 3$$

Write down all the possible values of n .

(2 marks)

Answer _____

- 3** Solve $4x + 3 < 19$

(2 marks)

Answer _____

- 4** The diagram shows an inequality on a number line.

Write down the inequality shown, using x .



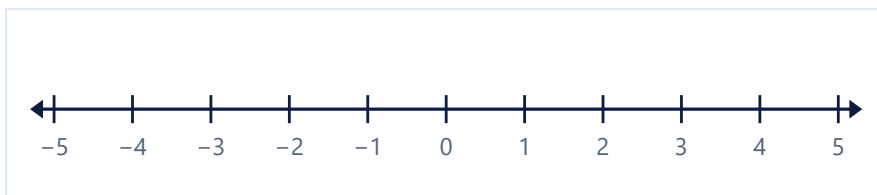
(2 marks)

Answer _____

5 Show each inequality on its number line.

a. $x \geq -2$

b. $-1 < x \leq 4$



a



b

(2 marks)

Answer _____

6 Solve $5x - 2 > 3x + 10$

(3 marks)

Answer _____

7 a. Solve $3(x - 1) \geq 6$

b. Show your solution on the number line.



(3 marks)

Answer _____

8 Solve $\frac{2x}{5} - 1 < 3$

(3 marks)

Answer _____

9 a. Solve $2(3x - 1) \leq 4x + 9$

b. Write down the largest integer that satisfies your answer to part a.

(3 marks)

Answer _____

10 a. Solve $7 - 3x > 19$

b. Show your answer on the number line.



(3 marks)

Answer _____

11 a. Solve $-3 < 2x + 1 \leq 9$

b. Write down all the integer values of x that satisfy your answer to part a.

(4 marks)

Answer _____

12

Solve $\frac{x+5}{3} \geq x-1$

(3 marks)

Answer

End of questions | Total 33 marks