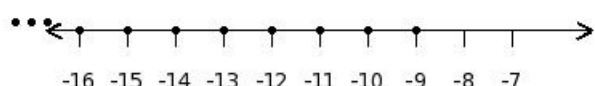
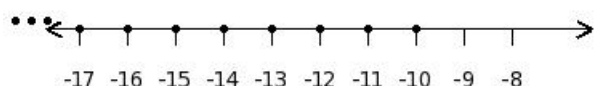
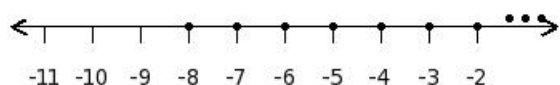
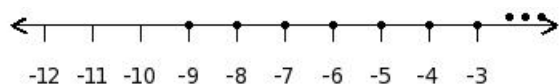


EduSahara™ Learning Center Assignment

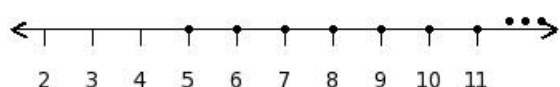
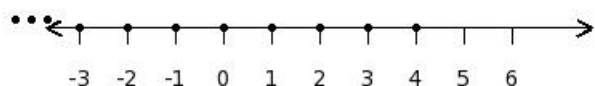
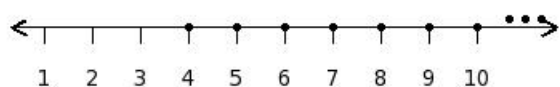
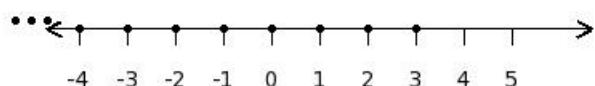
Grade : Class VIII, ICSE
Chapter : Linear Inequations
Name : Linear Inequations Graphical Solutions
Licensed To : Teachers and Students for non-commercial use

1. Identify the solution for the inequality $(-3x - 27) < 0, x \in \mathbb{Z}$



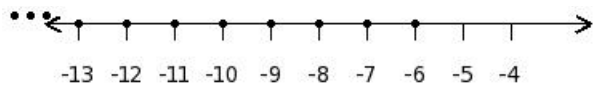
(i) IV (ii) I (iii) III (iv) II

2. Identify the solution for the inequality $(4x - 16) > 0, x \in \mathbb{Z}$

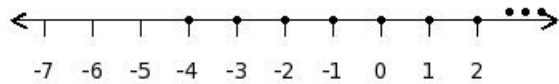


(i) I (ii) II (iii) IV (iv) III

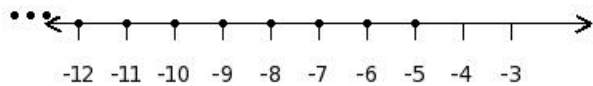
3. Identify the solution for the inequality $(-8x - 40) \leq 0, x \in \mathbb{Z}$



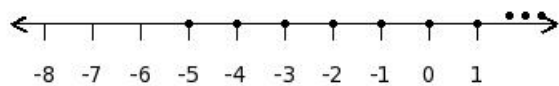
(I)



(II)



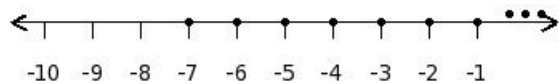
(III)



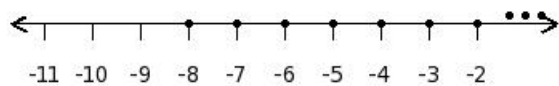
(IV)

(i) IV (ii) III (iii) II (iv) I

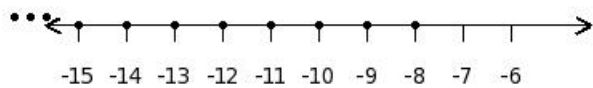
4. Identify the solution for the inequality $(8x + 64) \geq 0, x \in \mathbb{Z}$



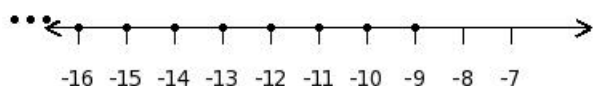
(I)



(II)



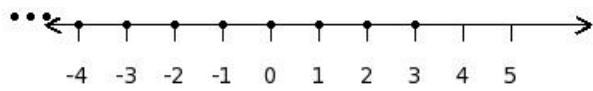
(III)



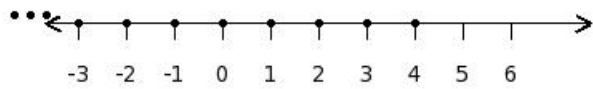
(IV)

(i) III (ii) I (iii) II (iv) IV

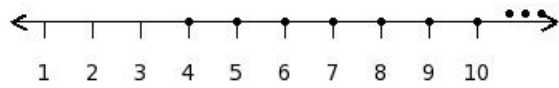
5. Which of the following figures represents the solution set $\{3, 2, 1, 0, -1, -2, \dots\}$



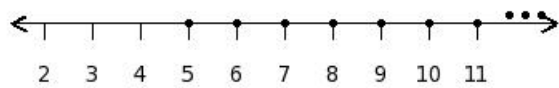
(I)



(II)



(III)

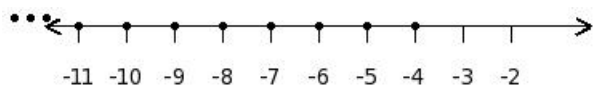


(IV)

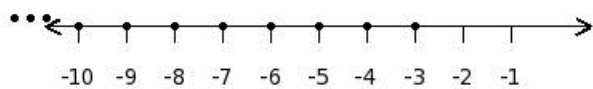
(i) I (ii) IV (iii) III (iv) II

Which of the following figures represents the solution set

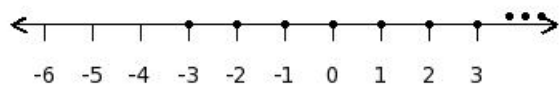
6. $\{-2, -1, 0, 1, 2, 3, \dots\}$



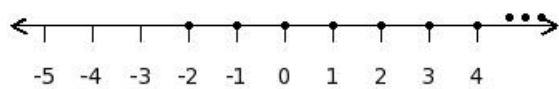
(I)



(II)



(III)

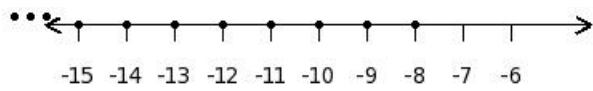


(IV)

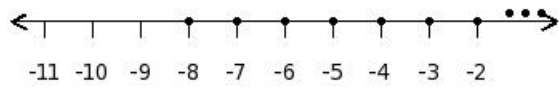
(i) III (ii) IV (iii) II (iv) I

Which of the following figures represents the solution set

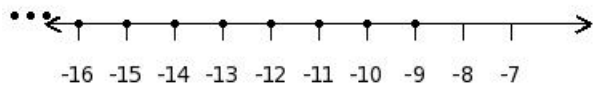
7. $\{-8, -9, -10, -11, -12, -13, \dots\}$



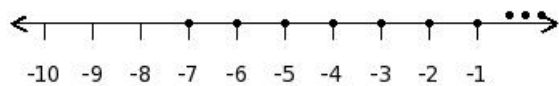
(I)



(II)



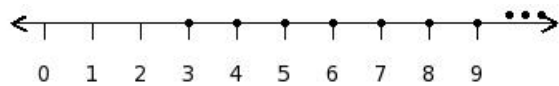
(III)



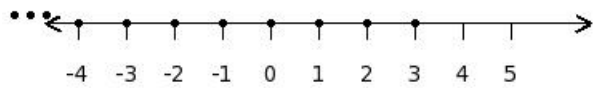
(IV)

(i) III (ii) IV (iii) II (iv) I

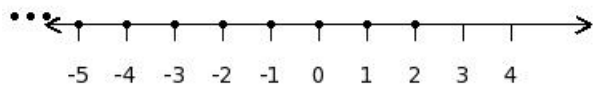
8. Which of the following figures represents the solution set $\{3, 2, 1, 0, -1, -2, \dots\}$



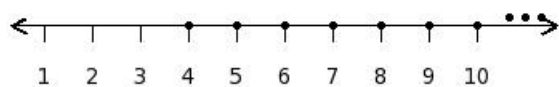
(I)



(II)



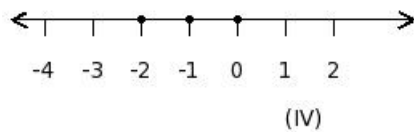
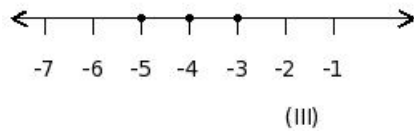
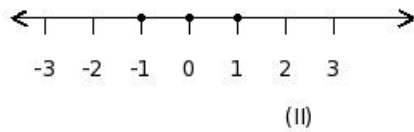
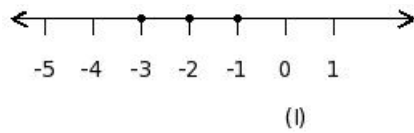
(III)



(IV)

(i) III (ii) I (iii) II (iv) IV

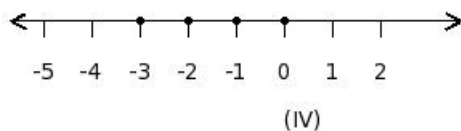
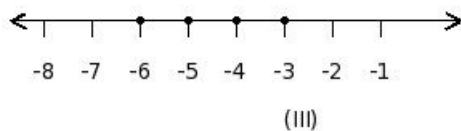
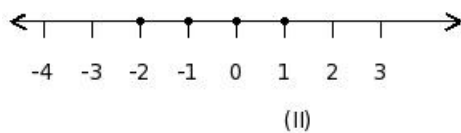
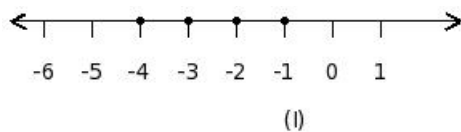
9. Identify the solution for the inequality $0 < (-9x - 6) < 29, x \in \mathbb{Z}$



(i) II (ii) IV (iii) III (iv) I

Identify the solution for the inequality

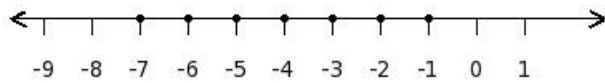
10. $(-5) < (-6x - 7) \leq 21, x \in \mathbb{Z}$



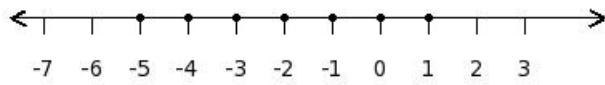
(i) I (ii) III (iii) IV (iv) II

Identify the solution for the inequality

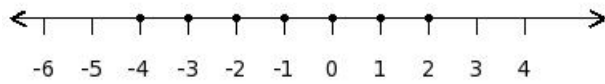
11. $(-5) \leq (-2x - 3) \leq 7, x \in \mathbb{Z}$



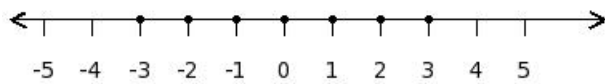
(I)



(II)



(III)

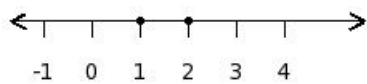


(IV)

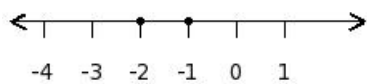
(i) I (ii) IV (iii) II (iv) III

Identify the solution for the inequality

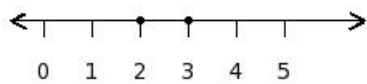
12. $7 \leq (7x + 7) < 20, x \in \mathbb{Z}$



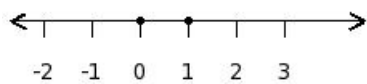
(I)



(II)



(III)

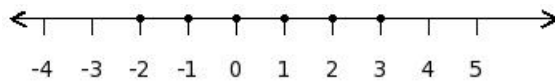


(IV)

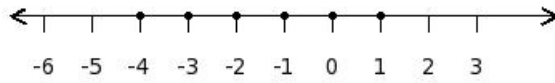
(i) IV (ii) III (iii) I (iv) II

Identify the solution for the inequality

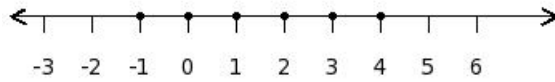
13. $5 > (4x - 9) > (-19), x \in \mathbb{Z}$



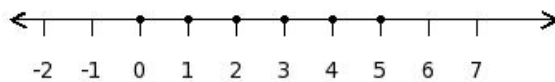
(I)



(II)



(III)

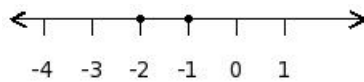


(IV)

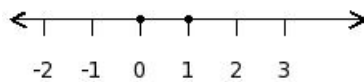
(i) I (ii) IV (iii) II (iv) III

Identify the solution for the inequality

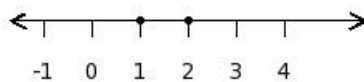
14. $(-4) > (-6x - 8) \geq (-18), x \in \mathbb{Z}$



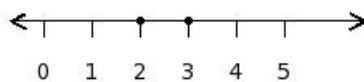
(I)



(II)



(III)

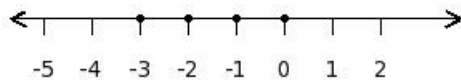


(IV)

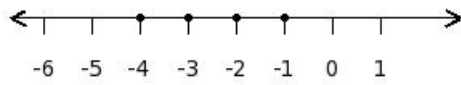
(i) II (ii) III (iii) IV (iv) I

Identify the solution for the inequality

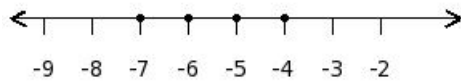
15. $(-1) \geq (7x + 9) \geq (-28), x \in \mathbb{Z}$



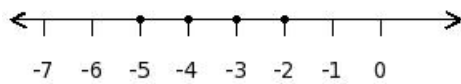
(I)



(II)



(III)

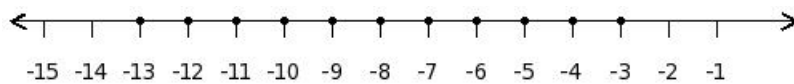


(IV)

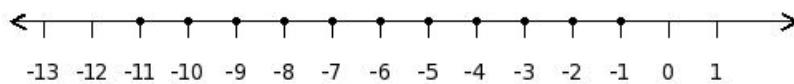
(i) I (ii) II (iii) IV (iv) III

Identify the solution for the inequality

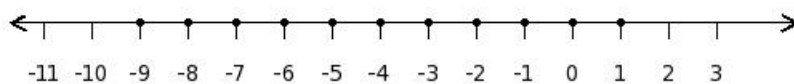
16. $1 \geq (x + 2) > (-10), x \in \mathbb{Z}$



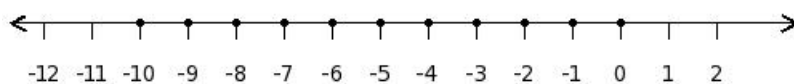
(I)



(II)



(III)

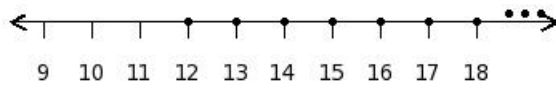


(IV)

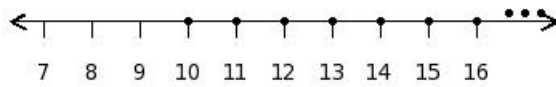
(i) I (ii) III (iii) II (iv) IV

Identify the solution for the inequality

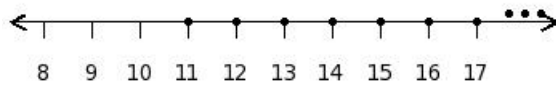
17. $(-3x - 21) < 0, x \in \mathbb{N}$



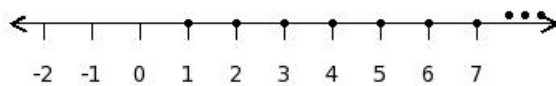
(I)



(II)



(III)

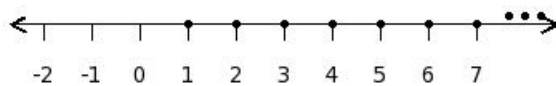


(IV)

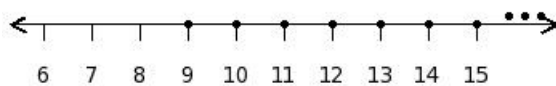
(i) I (ii) IV (iii) II (iv) III

Identify the solution for the inequality

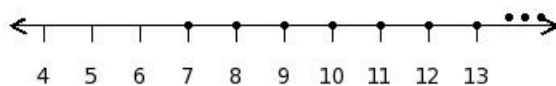
18. $(-5x - 25) \leq 0, x \in \mathbb{N}$



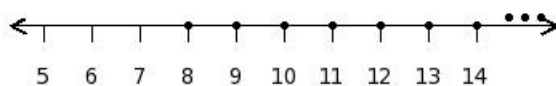
(I)



(II)



(III)

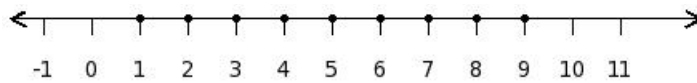


(IV)

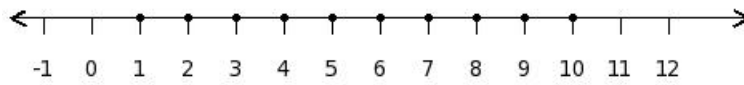
(i) II (ii) III (iii) IV (iv) I

Identify the solution for the inequality

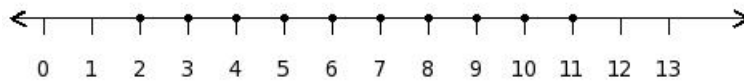
19. $(-3x + 24) > 0, x \in \mathbb{N}$



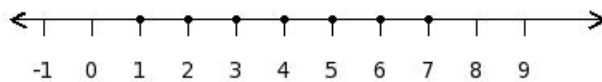
(I)



(II)



(III)



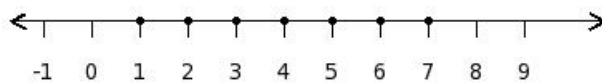
(IV)

(i) II (ii) IV (iii) III (iv) I

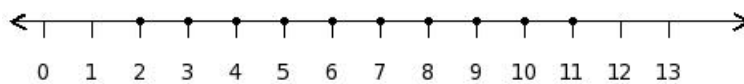
Identify the solution for the inequality

20.

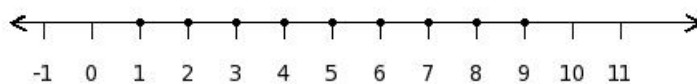
$$(-3x + 21) \geq 0, x \in \mathbb{N}$$



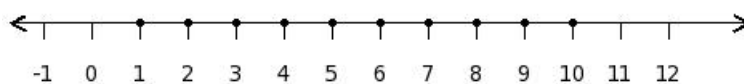
(I)



(II)



(III)



(IV)

(i) II (ii) I (iii) III (iv) IV

Assignment Key

- 1) (iv)
- 2) (iii)
- 3) (i)
- 4) (iii)
- 5) (i)
- 6) (ii)
- 7) (iv)
- 8) (iii)
- 9) (iv)
- 10) (i)
- 11) (iii)
- 12) (i)
- 13) (i)
- 14) (i)
- 15) (iii)
- 16) (iii)
- 17) (ii)
- 18) (iv)
- 19) (ii)
- 20) (ii)