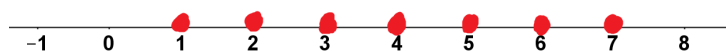




## Linear Inequalities SOLUTIONS



1.  $x \leq 7, x \in \mathbb{N}$



2.  $x \geq 2, x \in \mathbb{N}$



3.  $x < 3, x \in \mathbb{N}$



4.  $x \leq 1, x \in \mathbb{Z}$



5.  $x \geq -3, x \in \mathbb{R}$





6.  $x > -4, x \in \mathbb{Z}$



7.  $x < 7, x \in \mathbb{R}$



8.  $x \geq -4, x \in \mathbb{Z}$



9.  $x < 2, x \in \mathbb{R}$



10.  $1 \leq x \leq 4, x \in \mathbb{N}$





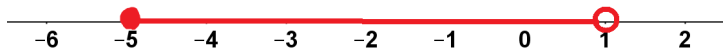
11.  $-2 \leq x \leq 3, \quad x \in \mathbb{Z}$



12.  $-3 \leq x \leq 4, \quad x \in \mathbb{R}$



13.  $-5 \leq x < 1, \quad x \in \mathbb{R}$



14.  $2 < x \leq 5, \quad x \in \mathbb{N}$

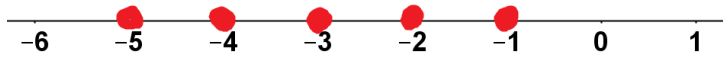


15.  $-3 \leq x < 1, \quad x \in \mathbb{R}$



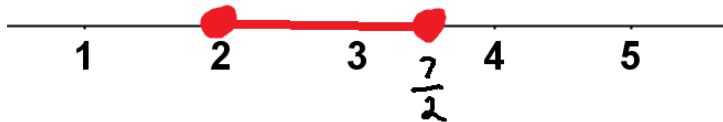


16.  $-5 \leq x < 0, \quad x \in \mathbb{Z}$

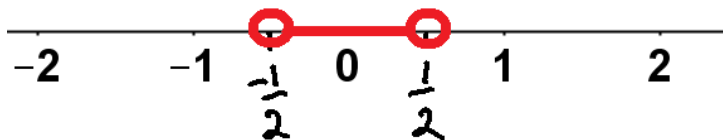


17.  $2 \leq x \leq \frac{7}{2}, \quad x \in \mathbb{R}$

$$\frac{7}{2} = 3.5$$

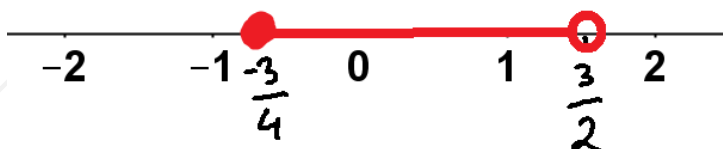


18.  $-\frac{1}{2} < x < \frac{1}{2}, \quad x \in \mathbb{R}$



19.  $-\frac{3}{4} \leq x < \frac{3}{2}, \quad x \in \mathbb{R}$

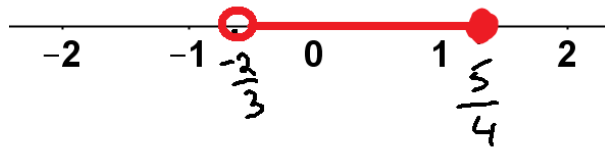
$$\frac{3}{2} = 1.5$$





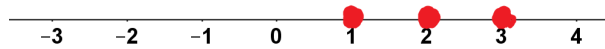
20.  $-\frac{2}{3} < x \leq \frac{5}{4}$ ,  $x \in \mathbb{R}$

$$\frac{5}{4} = 1.25$$



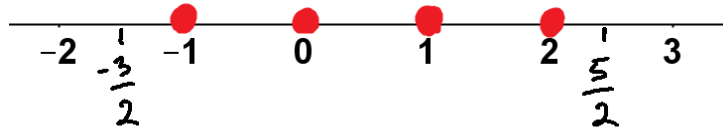
21.  $-2 < x \leq 3$ ,  $x \in \mathbb{N}$

$$x \in \mathbb{N}!$$



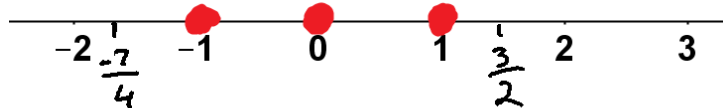
22.  $-\frac{3}{2} < x < \frac{5}{2}$ ,  $x \in \mathbb{Z}$

$$x \in \mathbb{Z}!$$



23.  $-\frac{7}{4} \leq x \leq \frac{3}{2}$ ,  $x \in \mathbb{Z}$

$$x \in \mathbb{Z}!$$



24.  $-\frac{3}{2} \leq x \leq \frac{5}{2}$ ,  $x \in \mathbb{N}$

$$x \in \mathbb{N}!$$

