

**6.NS.C.7a: Inequalities:** I can show an inequality on a number line.

Inequality	Read as:
$a \geq 4$	$a$ is greater than or equal to 4
$d \leq 5$	$d$ is less than or equal to 5
$7x \neq 21$	$7x$ is not equal to 21
$12.5 \geq x$	12.5 is greater than or equal to $x$
$5 < c < 8$	$c$ is greater than 5 and less than 8

Review of Integers and value:



What value of Q?

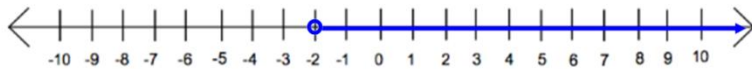
What is the value of T?

What point has the least value?

$x \leq -5$  Please note the solid dot. It means equal to and less than.



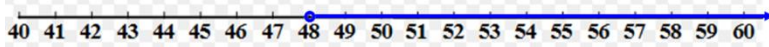
$x > -2$  Please note the open dot. It means not equal to but greater than.



1. What is the value of x?



2. What is the value of x?



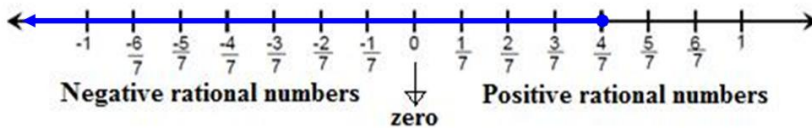
3. What is the value of  $x$ ?



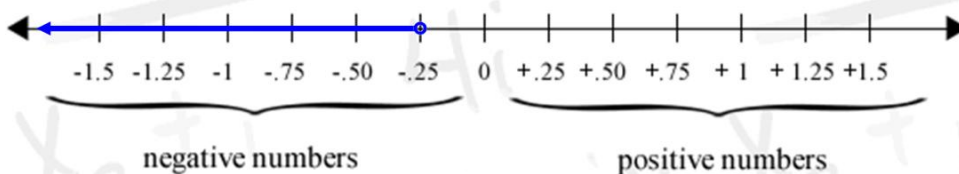
4. What is the value of  $x$ ?



5. What is the value of  $x$ ?

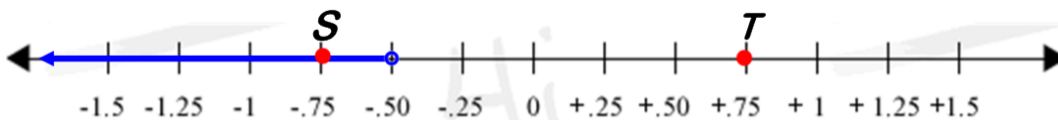


6. What is the value of  $x$ ?



Absolute Value on the number line

7. If  $x < -0.50$ , what point shows the  $|x|$ , absolute value of  $x$ ?



8. If  $x < -10$ , what point shows the  $|x|$ , absolute value of  $x$ ?

