



**THIRD SPACE
LEARNING**

Inequalities on a Number Line Worksheet

Algebra

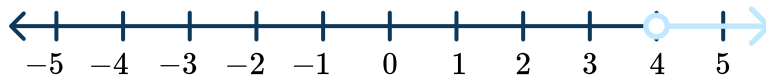
Grades 6 to 8

Skill Questions

Name:

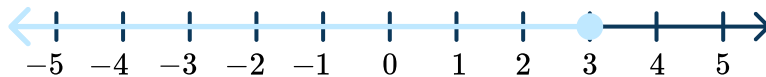
Date:

- 1 Write the inequality shown by the number line below.



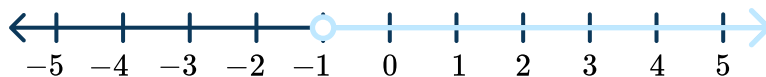
Answer

- 2 Write the inequality shown by the number line below.



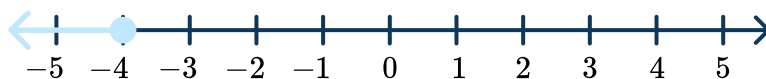
Answer

- 3 Write the inequality shown by the number line below.



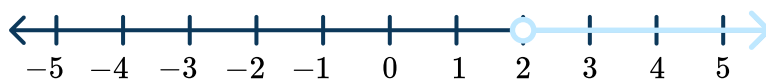
Answer

- 4 Write the inequality shown by the number line below.



Answer

- 5 Write the inequality shown by the number line below.



Answer

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6 Graph $-5 < x$ on the number line.



7 Graph $2 > x$ on the number line.



8 Graph $x > -1$ on the number line.



9 Graph $x > 0$ on the number line.



10 Graph $x \geq 5$ on the number line.



Applied Questions

- 11** Tara is taller than Jeff. Jeff is 120 centimeters tall. Graph the inequality that compares Tara's height in centimeters to Jeff's height.
Provide blank number lines to match



- 12** Water boils at 100°C . Graph the inequality that shows the temperatures that are higher than the boiling temperature of water.



- 13** Tyson uploaded 500 videos to the Internet. Sarita uploaded fewer videos than Tyson. Graph the inequality that compares the number of videos Sarita uploaded, to the number of videos Tyson uploaded.



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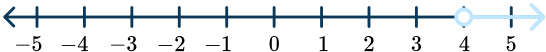
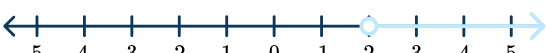
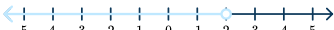
- 14** Mariana wears her winter coat when the temperature is colder than -4 . Graph an inequality that describes the temperatures at which Mariana wears her winter coat.



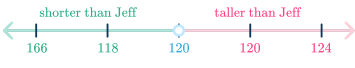
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- 15** Kwame must earn more than 16 stars per day to get a prize from the classroom treasure box. Graph an inequality that describes the number of stars Kwame must earn per day to get a prize from the classroom treasure box.



Answers

Question number	Question	Answers	Standard
1	Write the inequality shown by the number line below. 	$x > 4$	6.EE.B.8
2	Write the inequality shown by the number line below. 	$x \leq 3$	6.EE.B.8
3	Write the inequality shown by the number line below. 	$x > -1$	6.EE.B.8
4	Write the inequality shown by the number line below. 	$x \leq -4$	6.EE.B.8
5	Write the inequality shown by the number line below. 	$x > 2$	6.EE.B.8
6	Graph $-5 < x$ on the number line. Blank number lines needed		6.EE.B.8
7	Graph $2 > x$ on the number line.		6.EE.B.8
8	Graph $x > -1$ on the number line.		6.EE.B.8

Inequalities on a Number Line Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
9	Graph $x > 0$ on the number line.		6.EE.B.8
10	Graph $x \geq 5$ on the number line.		6.EE.B.8
11	Tara is taller than Jeff. Jeff is 120 centimeters tall. Graph the inequality that compares Tara's height in centimeters to Jeff's height. Provide blank number lines to match	 $h > 120$	6.EE.B.8
12	Water boils at 100°C . Graph the inequality that shows the temperatures that are higher than the boiling temperature of water.	 $t > 100^{\circ}$	6.EE.B.8
13	Tyson uploaded 500 videos to the Internet. Sarita uploaded fewer videos than Tyson. Graph the inequality that compares the number of videos Sarita uploaded, to the number of videos Tyson uploaded.	 $500 > v$	6.EE.B.8
14	Mariana wears her winter coat when the temperature is colder than -4 . Graph an inequality that describes the temperatures at which Mariana wears her winter coat.	 $t < -4$	6.EE.B.8
15	Kwame must earn more than 16 stars per day to get a prize from the classroom treasure box. Graph an inequality that describes the number of stars Kwame must earn per day to get a prize from the classroom treasure box.	 $s > 16$	6.EE.B.8

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