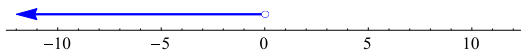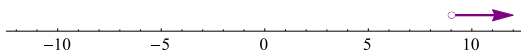# 6.EE.8: Worksheet
## Solutions

1. Give a solution to the inequality $x > 1$. How many total solutions does it have? A valid solution is any number greater than 1, and the inequality has an infinite number of solutions.

2. Give a solution to the inequality $y < 12$. How many total solutions does it have?
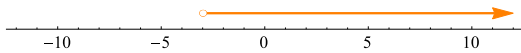
3. Draw a number line to represent the inequality $m < 0$.



4. Draw a number line to represent the inequality $t > 9$.



5. Draw a number line to represent the inequality $p > -3$.
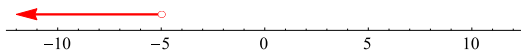


6. Write the inequality represented by Figure 1.



Figure 1.

$x < -5$

7. Angela has more than 8 cats in her studio apartment. (Too bad she's allergic.) Write an inequality that represents the number of cats in Angela's apartment.
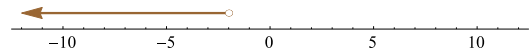
$c > 8$

8. In hopes to start his band, Bernard spends over \$30 to buy 11 kazoos. Write an inequality that represents the amount of money Bernard spent on his kazoos.

$m > 30$

9. It's colder than $-2°$F outside right now. Write an inequality that represents the temperature. Then, represent this inequality on the number line.

$t < -2$



10. Meryl Streep has been in more than 65 movies in her acting career. Write an inequality that represents the amount of movies Meryl Streep has been in. Then, represent this inequality on the number line.

$m > 65$