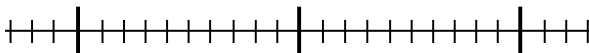
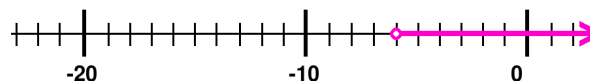


Inequalities Worksheet

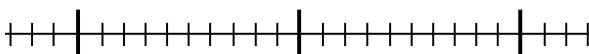
1 a. Plot the inequality $q \leq 17$.



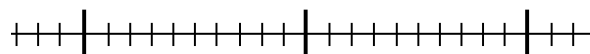
1 b. Write the inequality that matches the graph.



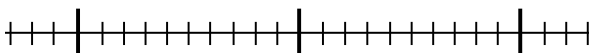
2 a. Plot the inequality $a < -33$.



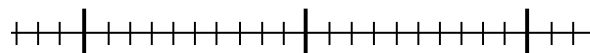
2 b. Plot the inequality $p < -25$.



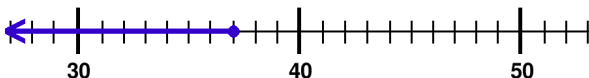
3 a. Plot the inequality $g \leq 19$.



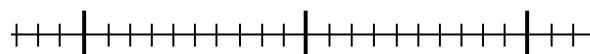
3 b. Plot the inequality $u > -3$.



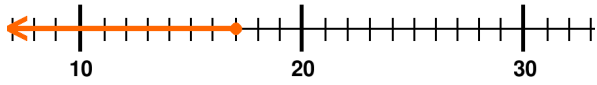
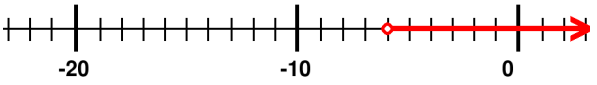
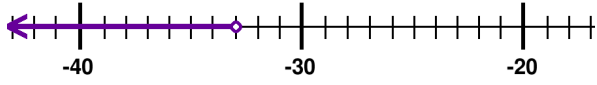
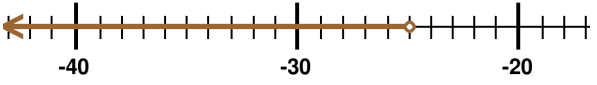
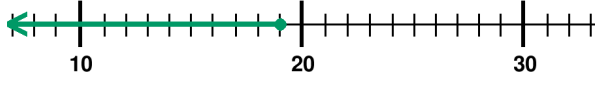
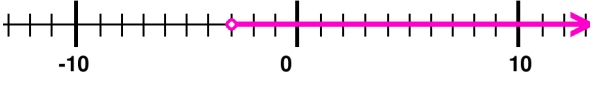


4 a. Write the inequality that matches the graph.



4 b. Plot the inequality $r > -26$.



Answer Key

<p>1 a.  A number line with major tick marks at 10, 20, and 30. A solid orange diamond is placed at 17. An orange arrow points to the left from the diamond.</p> <p>$q \leq 17$</p>	<p>1 b.  A number line with major tick marks at -20, -10, and 0. A solid red diamond is placed at -6. A red arrow points to the right from the diamond.</p> <p>$x > -6$</p>
<p>2 a.  A number line with major tick marks at -40, -30, and -20. A solid purple diamond is placed at -33. A purple arrow points to the left from the diamond.</p> <p>$a < -33$</p>	<p>2 b.  A number line with major tick marks at -40, -30, and -20. A solid brown diamond is placed at -25. A brown arrow points to the left from the diamond.</p> <p>$p < -25$</p>
<p>3 a.  A number line with major tick marks at 10, 20, and 30. A solid green diamond is placed at 19. A green arrow points to the left from the diamond.</p> <p>$g \leq 19$</p>	<p>3 b.  A number line with major tick marks at -10, 0, and 10. A solid pink diamond is placed at -3. A pink arrow points to the right from the diamond.</p> <p>$u > -3$</p>
<p>4 a.  A number line with major tick marks at 30, 40, and 50. A solid red diamond is placed at 37. A red arrow points to the left from the diamond.</p> <p>$x \leq 37$</p>	<p>4 b.  A number line with major tick marks at -40, -30, and -20. A solid red diamond is placed at -26. A red arrow points to the right from the diamond.</p> <p>$r > -26$</p>