

Name _____

Graph Inequalities

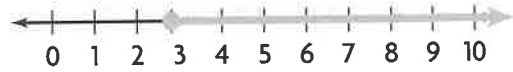


COMMON CORE STANDARD—6.EE.B.8
Reason about and solve one-variable equations and inequalities.

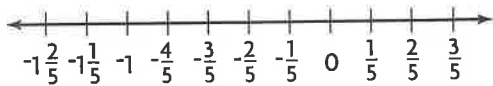
Graph the inequality.

1. $h \geq 3$

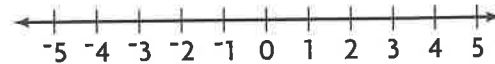
Draw a filled-in circle at 3 to show that 3 is a solution. Shade to the right of 3 to show that values greater than 3 are solutions.



2. $x < -\frac{4}{5}$



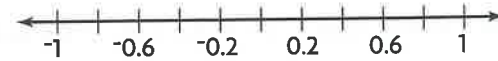
3. $y > -2$



4. $n \geq 1\frac{1}{2}$

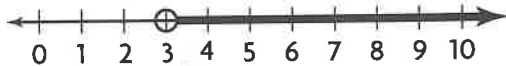


5. $c \leq -0.4$



Write the inequality represented by the graph.

6.



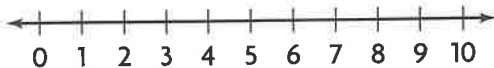
7.



Problem Solving



8. The inequality $x \leq 2$ represents the elevation x of a certain object found at a dig site. Graph the solutions of the inequality on the number line.



9. The inequality $x \geq 144$ represents the possible scores x needed to pass a certain test. Graph the solutions of the inequality on the number line.



10. **WRITE** *Math* Write an inequality and graph the solutions on a number line.

Lesson Check (6.EE.B.8)

1. Write the inequality that is shown by the graph.



2. Describe the graph of $g < 0.6$.

Spiral Review (6.EE.A.2b, 6.EE.B.5, 6.EE.B.7, 6.EE.B.8)

3. Write an expression that shows the product of 5 and the difference of 12 and 9.

4. What is the solution of the equation $8.7 + n = 15.1$?

5. The equation $12x = 96$ gives the number of egg cartons x needed to package 96 eggs. Solve the equation to find the number of cartons needed.

6. The lowest price on an MP3 song is \$0.35. Write an inequality that represents the cost c of an MP3 song.

