

Graphing Inequalities on a Number Line Homework (Practice)

1. a. If $n < 3$, state five values for n that will make the statement true.

2, 1, 0, 0, -5, -10

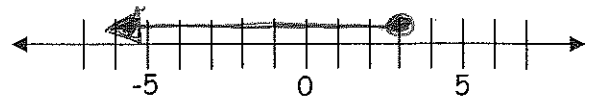
b. How could the list change if $n \leq 3$?

add 3

c. Graph $n < 3$ on the number line.



d. Graph $n \leq 3$ on the number line.

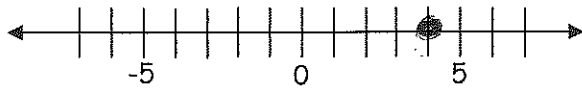


e. Do your graphs include all of the possible values of n ? If not, how could you change your graph to include all possible values of n ?

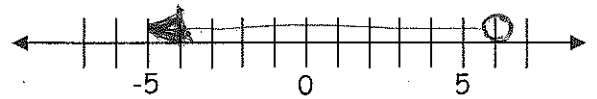
Yes, by shading (line) all values in the solution

2. Graph on the number line.

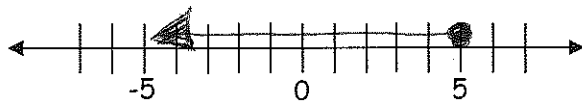
a. $n = 4$



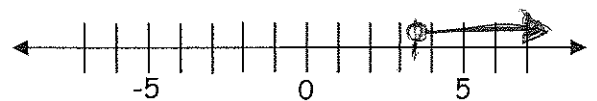
b. $z < 6$



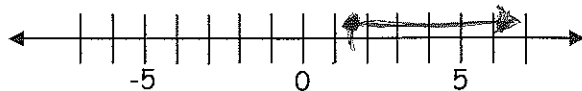
c. $x \leq 5$



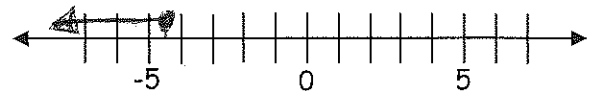
d. $c > 3.5$



e. $k \geq \frac{3}{2}$



f. $a \leq -4.5$



g. $n \neq 3$

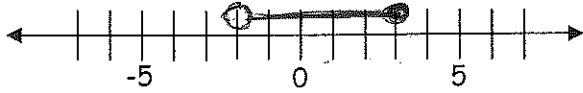


h. $-4 < n < 2$

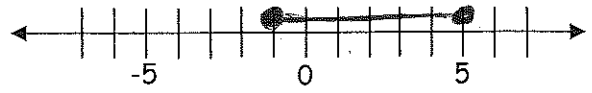


Algebra 1 Unit 5

(k) $-2 < n \leq 3$



(l) $-1 \leq n \leq 5$



3. State the inequality pictured on each number line graph.

