

Algebra 1 Bellwork Tuesday, October 21, 2014

Graph each inequality on a number line.

1. $w \geq -4$

2. $7 > c$



Write an inequality to model each statement or graph.

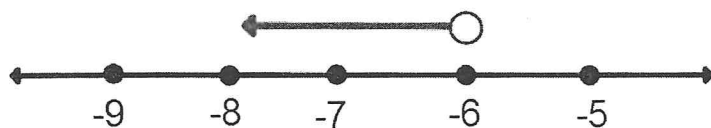
3. There needs to be at least 12 interested students to start an art club.

4. The maximum number of people allowed in the restaurant is 150.

5. Alan can get no more than 3 wrong to get an A.

6. The minimum amount in your bank account so that you don't get assessed any charges by the bank is \$100.

7. The truck can tow up to 2500 lbs.



8.

9. Solve this inequality and graph the solution:

$3G - 15 > 8$ Sol : _____

Graph:

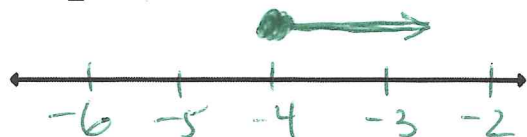


10. Solve this inequality:

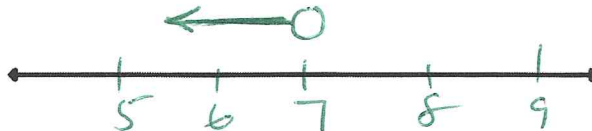
$4m + 2(3m - 7) \leq 8m - 12 + 2m$ Sol : _____

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1. $w \geq -4$



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Write an inequality to model each statement or graph.

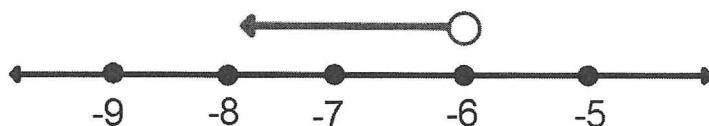
3. There needs to be at least 12 interested students to start an art club. $S \geq 12$

4. The maximum number of people allowed in the restaurant is 150. $m \leq 150$

5. Alan can get no more than 3 wrong to get an A. $A \leq 3$

6. The minimum amount in your bank account so that you don't get assessed any charges by the bank is \$100. $B \geq 100$

7. The truck can tow up to 2500 lbs. $T \leq 2500$



$Q < -6$

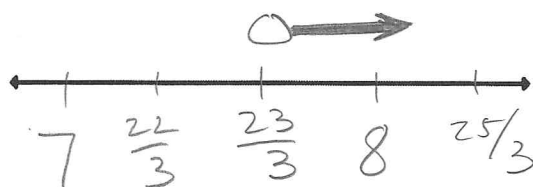
8.

9. Solve this inequality and graph the solution:

$$3G - 15 > 8 \quad \text{Sol: } G > \frac{23}{3}$$

+15 +15

Graph:



$$\frac{3G}{3} > \frac{23}{3}$$

$$G > \frac{23}{3}$$

10. Solve this inequality:

$$4m + 2(3m - 7) \leq 8m - 12 + 2m$$

Sol: All Real #s

$$4m + 6m - 14 \leq 8m - 12 + 2m$$

$$10m - 14 \leq 10m - 12$$

-10m -10m

$$-14 \leq -12$$

TRUE