

H.O.T. Problems Higher Order Thinking

9. Find the Error Mei is writing an inequality for the expression at least 10 hours of community service. Find her mistake and correct it.



10. Persevere with Problems Name three solutions of the inequality $w \le \frac{4}{5}$. Then justify your response using a number line.

12. Model with Mathematics Graph the solution to each set of inequalities on a number line.

a.
$$x > 5$$
 and $x < 8$

b. $y \ge -2$ and y < 7

c.
$$t < 3$$
 or $t \ge 6$

d. $w \le -5$ or $w \ge 0$