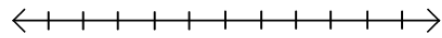
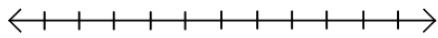


Solve the following inequalities and graph the solution on a number line.

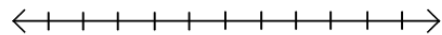
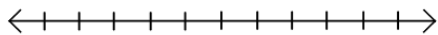
1)  $3(x - 2) > -12$

2)  $-2(x - 5) < -5$



3)  $4(3 + x) \geq -9$

4)  $-\frac{1}{2}(2x + 6) \leq -6$



5) Given the following inequalities, which one would you flip the symbol when solving? Explain how you know.

a.  $4x - 8 > 2$

b.  $6 - 2x < -3$

6) Which fraction is the smallest? Show how you know.

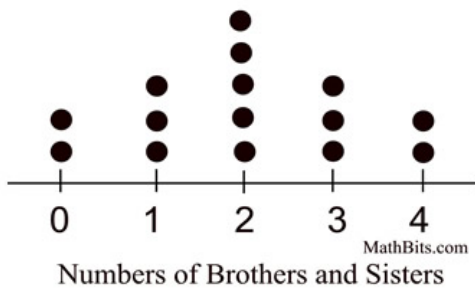
$$\frac{3}{5} \quad \frac{10}{17} \quad \frac{15}{22} \quad \frac{30}{54} \quad \frac{60}{121}$$

Add the following fractions.

7)  $-\frac{2}{5} + \frac{1}{7}$

8)  $-\frac{4}{5} + \frac{5}{6}$

9) The dot plot below represents the number of siblings a student in Mr. Brown's class has in their family. Find the mean absolute deviation of the dot plot below.



10) If the mean number of siblings a student has in Mr. Green's class is 3 and their MAD is 0.5, which class has more variation? Explain how you know.