

*Objectives:

*Properties of Inequality – Addition and Subtraction		
*Words	*Numbers	*Algebra



Solve each inequality and graph the solutions.

1a. $s + 1 \leq 10$ 1b. $2\frac{1}{2} > -3 + t$ 1c. $q - 3.5 < 7.5$



2. The Recommended Dietary Allowance (RDA) of iron for a female in Sarah's age group (14–18 years) is 15 mg per day. Sarah has consumed 11 mg of iron today. Write and solve an inequality to show how many more milligrams of iron Sarah can consume without exceeding the RDA.



3. **What if...?** Josh has reached his goal of 250 pounds and now wants to try to break the school record of 282 pounds. Write and solve an inequality to determine how many more pounds Josh needs to break the school record. Check your answer.

Inclass: p. 110 #35

Homework: p. 109-110 #7-31(odd)