Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

**4.2A Solving Inequalities Using Addition and Subtraction\_Classwork**

*Objective: Solve Inequality Word Problems Using Addition and Subtraction. CC.SS.7.EE.4b CW: textbook: 4.2A pg 134 #3-10, 18-19*

|  |  |  |
| --- | --- | --- |
| *EXAMPLE 1*$$x+8\geq 18$$Image result for number line | *EXAMPLE 2*$$x-1>6$$Image result for number line | *EXAMPLE 3*$$x-1.5<7$$Image result for number line |
| *EXAMPLE 4*$$x+1.2\leq 6.7$$Image result for number line | *EXAMPLE 5*$$x-\frac{1}{3}>\frac{2}{4}$$Image result for number line | *EXAMPLE 6*$$x-1\leq -5$$Image result for number line |
| $$x+7\geq 10$$Image result for number line | $$x-\frac{1}{2}<\frac{3}{2}$$Image result for number line | $$x-2.6>1.9$$Image result for number line |
| $$x+1.2>-6.7$$Image result for number line | $$x-\frac{3}{8}<\frac{1}{2}$$Image result for number line | $$x+4\leq 2$$Image result for number line |
| **WARM-UP:** Write an inequality for the graph. Then, in words, describe all the values of *x* that make the inequality true.

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|  3. TA: C:\replacearts\Red Resources by Chapter\Red Chapter 4 RBC\Arts\PNGs\mscc7_rbc_0401_02.png |  4. TA: C:\replacearts\Red Resources by Chapter\Red Chapter 4 RBC\Arts\PNGs\mscc7_rbc_0401_03.png |

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***CW: textbook: 4.2A pg 134 #3-10, 18-19. Login BIM and complete the assignment. Show work on this paper.***