

Introduction to Linear Inequalities

Name: _____

Date: _____

Instructions: Solve each inequality. Show your working and represent your solution on the number line provided.

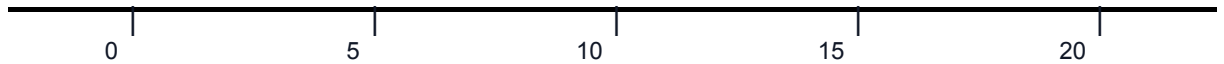
Remember: When multiplying or dividing by a negative number, flip the inequality sign!

1. Solve: $x + 5 > 12$

Working:

Solution: x _____

Number line:

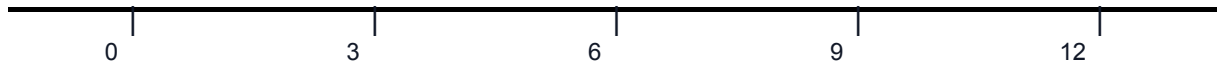


2. Solve: $3x \leq 18$

Working:

Solution: x _____

Number line:

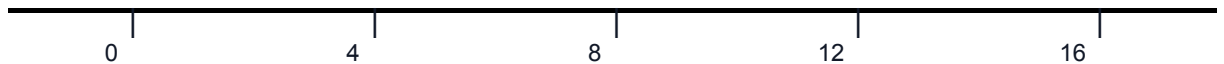


3. Solve: $2x - 7 < 9$

Working:

Solution: x _____

Number line:

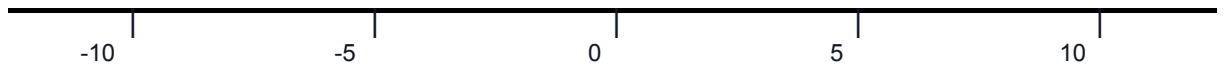


4. Solve: $-4x \geq 20$

Working:

Solution: x _____

Number line:



5. Solve: $5x + 3 \geq 23$

Working:

Solution: x
