

STUDY GUIDE for Unit 5 Inequalities Test-7th Grade Math

Name: _____ Date: _____

1.) Graph. $y \geq 7$



2.) Solve. $40 \leq -3x + 10$

3.) Solve. Graph your answer on the given number line.

$$7x - 2 \geq -16$$



4.) Charles is saving \$5 per week. He earns an extra \$15 for mowing his neighbor's yard. How many weeks will it take him to save at least \$75?

5.) Solve. Graph your answer on the given number line.

$$-2x + 4 > 16$$



6.) Write the inequality.
There are at least 35 boys on the football team.

7.) Solve. $\frac{x}{-3} + 5 < -10$

8.) For a field trip, 18 students rode in cars and the rest filled five buses. How many students were in each bus if no more than 250 students went on the field trip?

9.) Solve. Graph your answer on the given number line.

$$7x - 2 \leq -9$$



10.) Graph. $t \leq -1$



11.) Solve. $20x + 40 \leq -80$

12.) Solve. Graph your answer on the given number line.

$$\frac{x}{-2} > 4$$



13.) Graph. $-5 < m \leq 1$



14.) Solve. $2(x + 3) > -60$

15.) Graph. $w \leq -3$ or $w > 6$



