

6.1: I can solve and graph one-step inequalities with addition and subtraction.

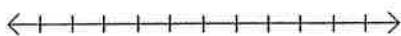
1. $x + 8 > 4$



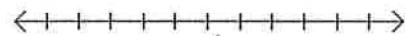
2. $p - 6 \leq -3$



3. $k - 14 \leq -10$



4. $s + 1 \geq -5$



Score: _____ %

6.2: I can solve and graph one-step inequalities with multiplication and division.

1. $-6x < 24$



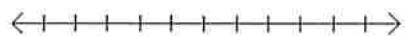
2. $4x \geq -16$



3. $\frac{x}{2} \leq 3$



4. $1 > -\frac{x}{3}$



Score: _____ %

6.3: I can solve multiple-step inequalities.

1. $5 + x - 9 \geq 4$

2. $\frac{-3x+6}{-5} \leq -3$

3. $-8(x + 3) \leq 16$

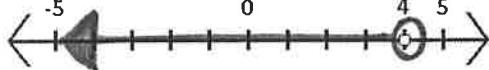
4. $3x - 7x + 2 < 10 - 12$

5. $\frac{2x-1}{3} \geq 1$

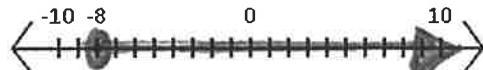
6. $-3(x - 4) + 2(x + 2) > 15$

Write an inequality representing the graph provided.

7.



8.



Score: _____ %

6.4: I can solve inequalities that have variables on both sides.

1. $2(x - 3) + 4 \geq x + 12$

2. $3(4x - 1) \leq 12x + 25$

$$3. -9(x + 2) < -6x - 3(x + 8)$$

$$4. 3(12 + 2x) + 10 < 10x + 6$$

Score: _____ %

6.5: I can solve inequalities with fractions.

$$1. \frac{3}{5}x - \frac{11}{30} \geq -\frac{5}{6}$$

$$2. -3\frac{2}{15} < -1 + \frac{4}{3}n$$

$$3. \frac{11}{4}x + 1 + \frac{5}{8}x < -\frac{13}{16}$$

$$4. -7n - \frac{15}{7} + 2\frac{6}{7} \geq -\frac{137}{14}$$

Score: _____ %

6.6: I can solve story problems with inequalities.

1. Your club is in charge of making pins that students can buy to show their school spirit for the upcoming basketball game. You have made 225 pins so far, and you have only 2 **hours** left to make the rest of the pins. You need to make at least 400 pins. How many pins do you have to make per **minute** in order to reach your goal?

2. A car dealership sold 78 new cars and 65 used cars this year. The number of new cars sold by the dealership has been increasing by 6 cars each year. The number of used cars sold by the dealership has been decreasing by 4 cars each year. If these trend continue, in how many years will the number of new cars sold be more than **twice** the number of used cars sold?

3. An animal shelter has fixed weekly expenses of \$750. Each animal in the shelter costs an additional \$6 per week. During the summer months, the weekly expenses are at least \$1170. How many animals are at the shelter in the summer in order for the expenses to be at least \$1170 a week?

Score: _____ %