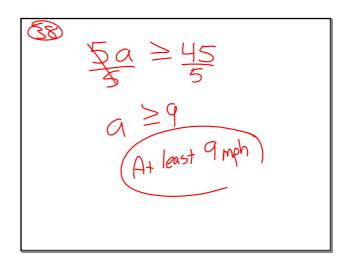
$$9x > -45$$

$$9x > -5$$

$$9x > -45$$

 $\frac{30}{375} \leq \frac{7500}{375}$ $c \leq 20$ a) Move 20 crates or less
b) Make 3 tries.



An elevator can hold a maximum of 2000 pounds. The average weight of a person is 150 pounds. Let p be the number of people the elevator can hold. What does the answer tell you about the number of people who can ride in the elevator?

Exit Pass 3.5

Explain the difference between the solutions of 2x > -14 and -2x > 14.





3.6 Solving Multi-Step Inequalities

7.NS 7.EE

- SWBAT solve multi-step inequalities.
- SWBAT represent situations using algebraic symbols; analyze situations using algebraic symbols.
- Calculators: No

NMS's soccer team is trying to break the school record for goals scored in one season. The team has already scored 88 goals this season. The record is 138 goals. With 10 games remaining on the schedule, how many goals, on average, does the team need to score per game to break the record?

$$-\frac{98+109>138}{-88}$$

$$-\frac{109>50}{10}$$

$$-\frac{50}{10}$$

More than 5 gods zer game. 6 gods or more per game.

Solve and graph the solution:
$$-6 \ge -\frac{8}{5} - 2$$

$$-6 \ge -\frac{8}{5} - 2$$

$$-5 + 3 \le -6$$

$$-6 \ge -\frac{8}{5} - 2$$

$$-6 \ge -\frac{8}{5} - 2$$

$$-6 \ge -\frac{8}{5} - 2$$

$$-6 \ge -\frac{12}{5} = 15 \text{ on left!}$$

$$-8 \le -6 + 2$$

$$-8 \le -6 + 2$$

$$-8 \le -6 + 2$$

$$-9 \le -7 = 19 = 10$$

$$-9 \le -7 = 10$$

$$-10 \le -7 = 10$$

$$-7 \le -7$$

Solve and graph the solution:
$$\frac{x-8}{13} > 9 = 3$$

$$\frac{x-8}{17} = 17$$

$$\frac{x-9}{17} = 17$$

$$\frac{x-9}{17}$$

Solve and graph the solution:

$$4(5 - 3b) \le 4b + 4$$

Solve and graph the solution:

1.
$$24 < \frac{-5k + 7}{10}$$

2.
$$3y - 5 < 2(17 - 5y)$$

3.6 PA.notebook November 11, 2015

An dance group charges \$15 for membership. Members pay \$8 for admission to monthly dances, and nonmembers pay \$12. How many dances does D'Aja need to attend for the cost of membership to be less than paying as a nonmember?

Dahvin and Elijah join different health clubs.

Dahvin pays a one-timefee of \$150 and a monthly fee of \$35. Elijah pays a one-time membership fee of \$100 and a monthly fee of \$40. How many months do Dahvin and Elijah need to be members of their health clubs before Dahvin has paid less than Elijah?

Exit Pass 3.6

Write and solve the inequality for the verbal sentence:

five plus two times a number is at least twenty

"Don't blame the sea if you cannot catch a fish."

Working individually or with a partner, complete the workbook.

Workbook pg. 41



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Reflection of Today's Lesson

3.6 Solving Multi-Step Inequalities

7.NS 7.EE

- SWBAT solve multi-step inequalities.
- SWBAT represent situations using algebraic symbols; analyze situations using algebraic symbols.
- Calculators: No

Homework

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