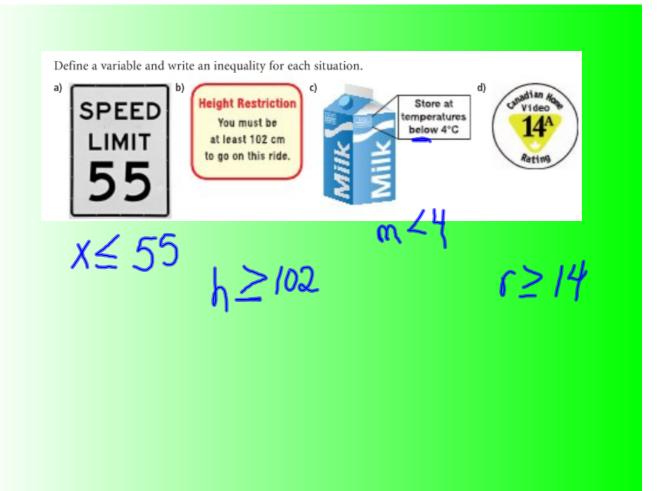
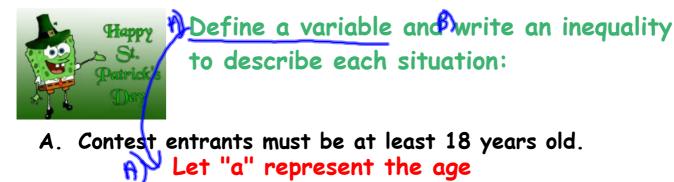
Warm-Up Happy St.Patrick's bay 1 1. $\frac{1}{2}$ + 3x = $\frac{4}{6}$ + $\frac{1}{3}$ = $\frac{4x}{4x}$ + 1 1. $\frac{1}{2}$ + $3x = \frac{4}{6}$ + $\frac{1}{3}$ - 4x6 + 18x - <u>24</u> + 2 - 24x 3+ 18x = 4+2-24x 3+18x=6-244 $3 + 18 \times + 24 \times - 6 - 24 \times + 24 \times + 24 \times - 6 - 24 \times + 24 \times - 24$

Section 6.3 Linear Inequalities
An inequality is used to model a situation
that can be described by a range of
numbers rather than a single number.
What does it mean?

$$x = 3$$
 " x " is 3 " x " is 4 as 4 as 3
 $x > 3$ " x " is greater than 3
 $x < 3$ " x " is less than
 $x < 5$ " x " is less than
 $x = 5$ " x " is less than
 $x = 9$ ar equile to 5 and 5 and 7 and 5 and 7 and 7





α≥ |8

B. The temperature has been below -5 degrees for the last week. A) Let "t" represent the temperature. B) t-5

D. Scientists have identified over 40 species of dinosaurs

y>-6 What are some possible numbers for "y"? Because there are so many possible solutions for inequalities they are usually represented on a number line $y \ge -6$ y $\in \mathbb{R}$ free belongs which belongs $y \ge -6$ y $\in \mathbb{R}$ free belongs $y \ge -6$ y $\in \mathbb{R}$ $y \ge -6$ y $\in \mathbb{R}$

