

Motto of the Day- "Don't just fly, soar." Dumbo

1. If you had any missing work please turn it into the basket
2. Papers are being passed out- just set yours in a pile
3. Get the notes and the problem of the day sheet from the front table
4. Be sure to take your 4 pieces of tape and give the tape to the next person

$$\frac{6}{5} + \frac{4}{5} = \frac{10}{5} = 2$$

1) $\frac{6}{5} + 4\frac{4}{5}$ $2+4=6$

$$\begin{array}{l} 6+4 \\ \frac{10}{5} = 2+4 \\ 6 \end{array}$$

$$\frac{21}{28} + 3\frac{12}{28}$$

$$3\frac{33}{28} = 1\frac{5}{2}$$

2) $3\frac{3}{7} + \frac{3}{7}$
 ~~$4\frac{6}{28}$~~

$$\begin{array}{r} 3 \\ + 24 \\ \hline 112 \end{array}$$

$$\frac{3}{4}$$

$$\frac{24}{7 \times 4}$$

$$\frac{117}{28}$$

$$\frac{45}{28}$$

$$\frac{21}{28} + \frac{96}{28}$$

Module 10 Lesson 4

I will be able to write and graph Inequalities

Inequality

A mathematical sentence that compares 2 unequal expressions using one of the symbols

$>$ $<$ \leq \geq \neq $=$ \vdots

less than
or equal to

\vdots

Determine whether the given solution is a value of the inequality

$x+5 < 15, x=14$

$14+5 < 15$

$19 < 15$

no

not a solution

Rules for graphing inequalities:

- Use a closed dot if it can be that number
- Use an open dot if it cannot be that number

$=$ \leq \geq
 \neq $<$ $>$

Shade the direction representing the variable:

Greater to Right

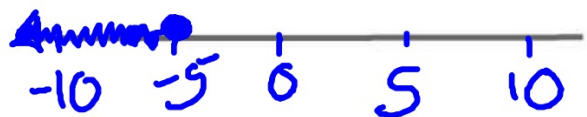
Less to Left

,
:

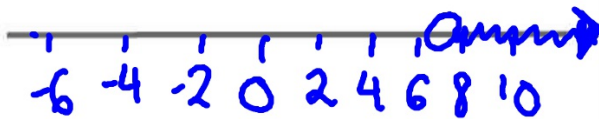
$$b < 4$$



$$e \leq -5$$



~~$A \leq 7$~~
 $A > 7$

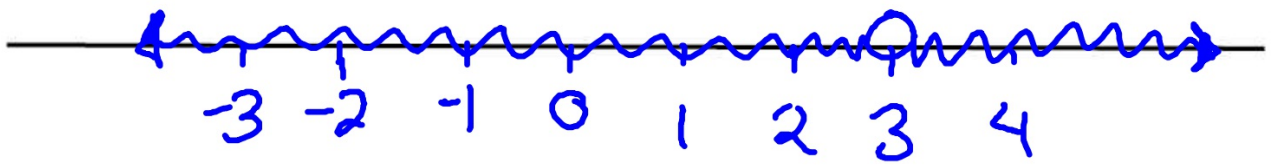


$$z \geq -2$$



i.

s#3



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Write inequalities:

1. You must be over 12 years old to ride the go-carts.

$$x > 12$$

$$x = \text{age}$$

2. A pony is less than 14.2 hands tall

$$x < 14.2$$

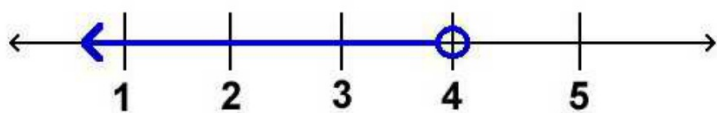
$$x = \text{pony height}$$

3. You must be at least 16 years old to have a driver's license.

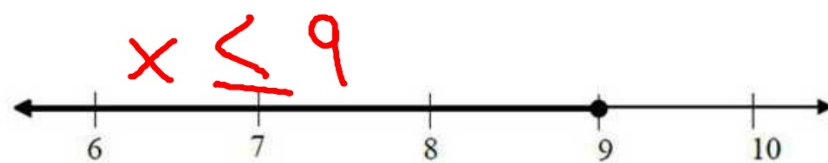
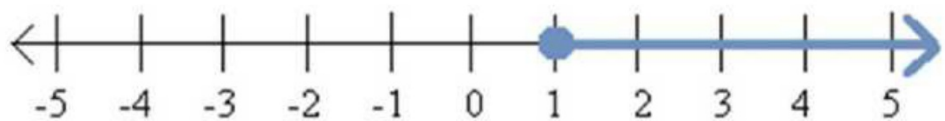
$$x = \text{driver's age}$$

$$x \geq 16$$

WRITE AN INEQUALITY FROM THE GRAPH:



$$x < 4$$



$$x \leq 9$$

$$x \geq 1$$