

Inequality symbols

Used to compare 2 non-equal values

Symbol

<</p>

_ >

□ ≤

□ ≥

Read as

" is less than"

" is greater than"

" is less than or equal to"

" is greater than or equal to"

Graphing Inequalities

- The solutions to an inequality is a range of numbers (is not just a single number)
- Steps for graphing:
 - Draw a number line and label the key points
 - Mark the appropriate dot (open or closed)
 - Shade in the correct region

Open vs. Closed dots

- and > use open dots on the number line
- □ ≤ and ≥ use closed dots on the number line

Shading: Left or Right

- □For < and ≤ you shade to the left</p>
- □ For > and ≥ you shade to the right

Examples:



□ 2. x < 4





Examples:



$$x \leq 8$$

4.

$$x \ge -1$$





Examples

□ 5. x < 7

□ 6. $x \ge -4$





On your own

□ 7. x >-3

□ 8. $x \le 5$





□ 9. x < -2

□ 10. $x \ge 0$





Class Work

Worksheet 6.1A

出13-37

x>6

