

9/12/18

Pick up  
the half  
sheet  
on the  
stool

## WARM-UP!!!

TRANSLATE THE FOLLOWING EXPRESSIONS, EQUATIONS, & INEQUALITIES:

- |   |  |  |
|---|--|--|
| 1 | "The product of a number and 7"                                  | <u><math>7x</math></u>                   |
| 2 | "Nine <u>subtracted from</u> twice a number"                     | <u><math>2x - 9</math></u>               |
| 3 | "One <u>less than</u> the quotient of a number and -5."          | <u><math>\frac{x}{-5} - 1</math></u>     |
| 4 | "Three <u>times the sum</u> of a number and 10 is 24"            | <u><math>3(x+10) = 24</math></u>         |
| 5 | "The difference of twice a number and 3 is -21."                 | <u><math>2x - 3 = -21</math></u>         |
| 6 | "One-third of a number is 8 <u>less than</u> the number itself." | <u><math>\frac{1}{3}x = x - 8</math></u> |
| 7 | "x is at most 6"   | <u><math>x \leq 6</math></u>             |
| 8 | "You must be <u>at least</u> 18 years old to vote"               | <u><math>x \geq 18</math></u>            |

## Inequalities

LESS THAN	LESS THAN OR EQUAL TO	GREATER THAN	GREATER THAN OR EQUAL TO
$<$	$\leq$	$>$	$\geq$

1. "A number is less than -10"

$$x < -10$$

2. "A number is less than or equal to 8"

$$x \leq 8$$

3. "A number is greater than or equal to -4"

$$x \geq -4$$

4. "A number is at most 45"

$$x \leq \underline{45}$$

5. "A speed limit of 55 mph"

$$x \leq 55$$

6. "A number is at least 16"

$$x \geq \underline{16}$$

7. "A number is no less than 10"

$$x \geq 10$$

8. "A number is no more than 26"

$$x \leq 26$$

9. "A maximum number of 25"

$$x \leq 25$$

10. "A minimum number of 5"

$$x \geq 5$$

**Order of Operations  
&  
Evaluating  
Expressions  
SCAVENGER  
HUNT**