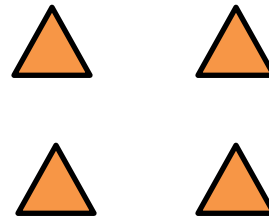
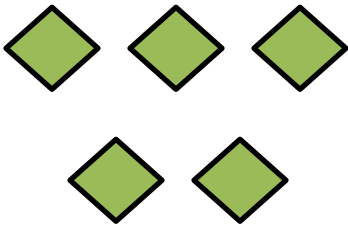


# Inequalities Assignment

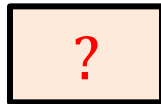
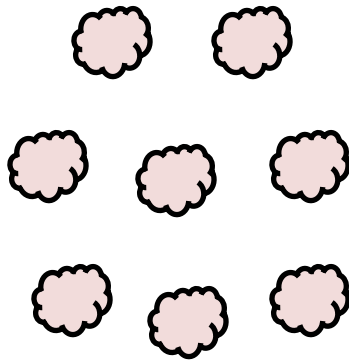
Math 6

Part 1: Compare the two quantities given in each case below and insert the correct inequality in the box below.

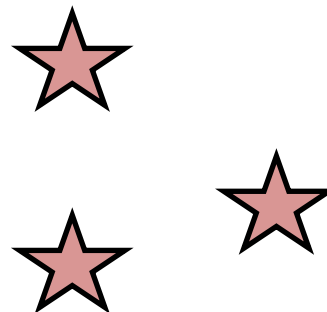
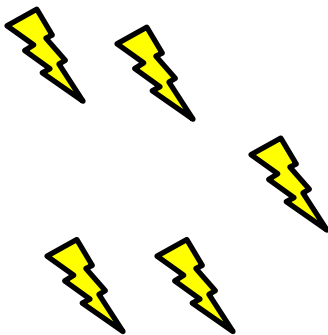
1.



2.



3.



# Inequalities Assignment

Math 6

**Part 2: Write an inequality to represent each verbal statement given below.**

1. The sum of 15 and  $x$  is greater than or equal to 12 minus  $y$ .

2. The difference of  $x$  and 7 is greater than 23.

3. The product of 3 and  $x$  is less than 15.

# Inequalities Assignment

Math 6

4.  $x$  is greater than or equal to  $y$  divide by 2.

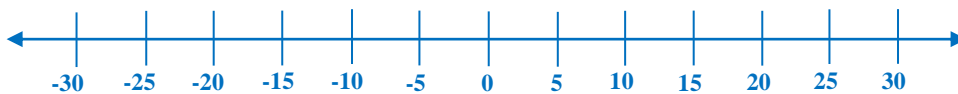


Part 3: Graph each inequality given below.

1.  $z \leq -20$



2.  $m > 10$



**Inequalities** Assignment**Math 6**

**3.  $a \leq -10$**



**4.  $b > 12$**



**Part 4: Determine whether the inequality statement is TRUE or FALSE.**

1. Is  $x - 3 \leq 4$ , if  $x = 1$  ?

2. Is  $x + 9 > 4$ , if  $x = -4$  ?

3. Is  $\frac{x}{2} \leq -8$ , if  $x = 14$  ?

4. Is  $-10 - x \leq -11$ , if  $x = 1$  ?