Name Key Date _____ Pd __

CYU 1.2 Symbols & Sets of Numbers Day ONE

☑ *Use when you get it right all by yourself*

S *Use when you did it all by yourself, but made a silly mistake*

H *Use when you could do it alone with a little help from teacher or peer*

G *Use when you completed the problem in a group*

X *Use when a question was attempted but wrong (get help)*

N *Use when a question was not even attempted*

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Inequalities	1, 4	4c	2, 3, 11, 12
Translating words into mathematical sentences	5, 6, 8	7, 9	10

1. Insert >, <, or = in the appropriate space to make the statement true.

   a. $7 > 3$ b. $6.26 = 6.26$ c. $0 < 7$ d. $-2 < 2$ e. $-4 > -6$

2. The freezing point of water is 32° Fahrenheit. The boiling points of water is 212° Fahrenheit. Write an inequality statement using < or > comparing the numbers 21 and 212.

   $21 < 212$

3. An angle measuring 30° is shown and an angle measuring 45° is shown. Use the inequality symbol $\leq$ or $\geq$ to write a statement comparing the numbers 30 and 45.

   $30 \leq 45$

4. Determine if the following statements are true or false.

   a. $11 \leq 11$ True b. $10 > 11$ false c. $3 + 8 \geq 3(8)$ $11 \geq 24$ False d. $9 > 0$ True e. $-6 > -2$ False

5. Translate the sentence into a mathematical statement: *Eight is less than twelve.*

   $8 < 12$

6. Translate the sentence into a mathematical statement: *Five is greater than or equal to four.*

   $5 \geq 4$

7. Translate the sentence into a mathematical statement: *Fifteen is not equal to negative two.*

   $15 \neq -2$

8. Translate the sentence into a mathematical statement: *Fifteen is greater than five.*

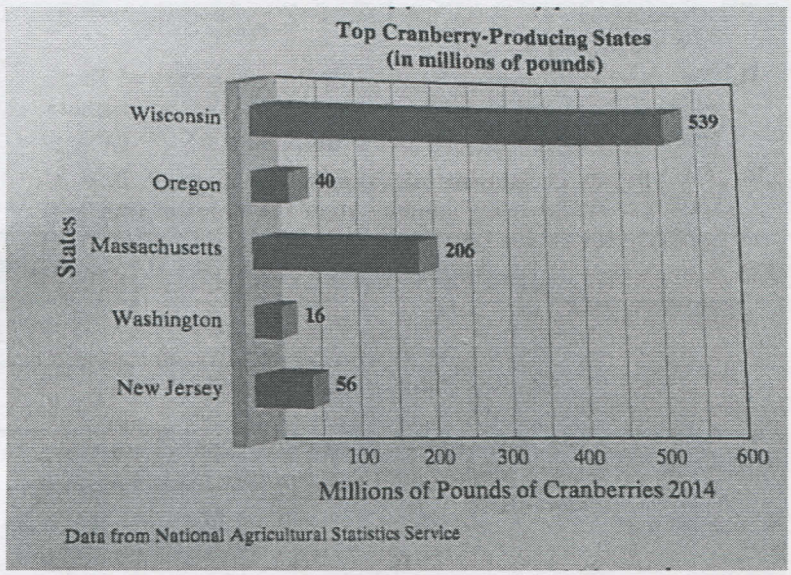
   $15 > 5$

9. Translate the sentence into a mathematical statement: *Negative ten is less than or equal to thirty-seven.*

$-10 \leq 37$

10. Translate the sentence into a mathematical statement: Negative seven is not equal to seven.

$-7 \neq 7$



11. Write an inequality comparing the 2014 cranberry production in Oregon with the 2014 cranberry production in Washington.

$40 > 16$ OR $40 \geq 16$

12. Determine the difference between the 2014 cranberry production in Washington and the 2014 cranberry production in New Jersey.

$$\begin{array}{r} 56 \\ -\ 16 \\ \hline 40 \end{array}$$

40 million pounds

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.