Inequality Word Phrases   Name _____

Write an inequality for each of the following statements.

1. The sum of a number and 15 is less than 30. _____

2. The product of a number and 4 is no more than 16. _____

3. 17 less than a number is at least 42. _____

4. The quotient of g and 3 exceeds 18. _____

Write an Inequality and graph the inequality for each of the situations.

5. x is no less than 13. _____   6. 5 is at most k. _____

7. n can be 70 and above. _____   8. All boys (b) older than 5. _____

Write the inequality for the situation. Then solve and graph the inequality you wrote.

9. The product of 3 and a number increased by 5 is at least 23.

Inequality Word Phrases Name ___Key___

Write an inequality for each of the following statements.

1. The sum of a number and 15 is less than 30. $n + 15 < 30$

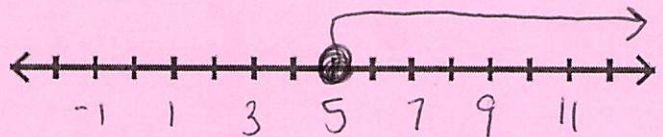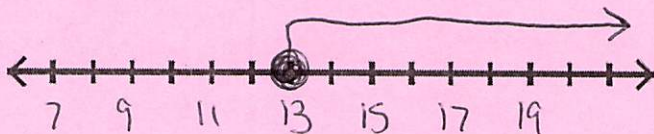2. The product of a number and 4 is no more than 16. $4n \leq 16$

3. 17 less than a number is at least 42. $n - 17 \geq 42$

4. The quotient of g and 3 exceeds 18. $\dfrac{g}{3} > 18$

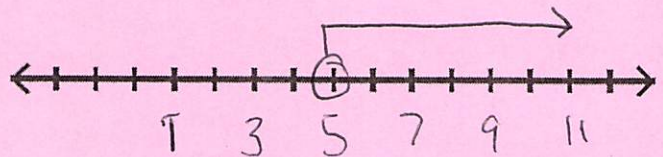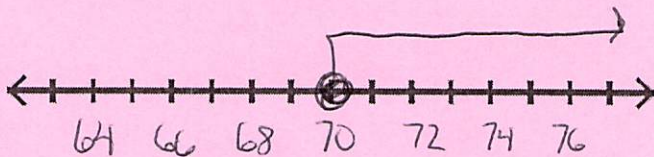**Write an Inequality and graph the inequality for each of the situations.**

5. x is no less than 13. $x \geq 13$

7 9 11 13 15 17 19

6. 5 is at most k. $5 \leq k$

$k \geq 5$

⁻1 1 3 5 7 9 11

7. n can be 70 and above. $n \geq 70$

64 66 68 70 72 74 76

8. All boys (b) older than 5. $b > 5$

1 3 5 7 9 11

Write the inequality for the situation. Then solve and graph the inequality you wrote.

9. The product of 3 and a number increased by 5 is at least 23.

$3 \cdot n + 5 \geq 23$

$\quad -5 \quad | \quad -5$

$3n \geq 18$

$\div 3 \quad | \quad \div 3$

$n \geq 6$

0 2 4 6 8 10 12