More Inequalities Practice

1) Which number is a solution to the inequality below?
x > 4

a) 1 b) 2

c) 4 d) 5

2) Which number is NOT a solution to the inequality below? **x ≤ 8**

a) 6 b) 7

c) 8 d) 9

3) Which statement describes "a number more than 22"?

a) x < 22 b) x > 22

c) x ≤ 22 d) x ≥ 22

4) Which statement describes "a number less than or equal to 43"?

a) x < 43 b) x > 43

c) x ≤ 43 d) x ≥ 43

5) Which statement describes " a number no more than 17"?

a) x < 17 b) x > 17

c) x ≤ 17 d) x ≥ 17

6) Which statement describes "at least 32"?

a) x < 32 b) x > 32

c) x ≤ 32 d) x ≥ 32

7) Which number is a solution to x + 4 > 12

a) 3 b) 5

c) 7 d) 9

8) Which number is **NOT** a solution to **x – 3 < 10**

a) 7 b) 8

c) 10 d) 14

9) Which number is a solution to **3x > 12**

a) 4 b) 5

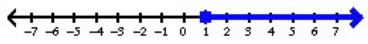
c) 2 d) 3

10) Which number is **NOT** a solution to **2x ≤ 10**

a) 3 b) 4

c) 5 d) 6

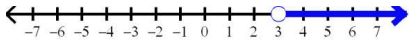
11) Which inequality matches the graph below?



a) n > 1 b) n ≤ 1

c) n ≥ 1 d) n ≥ -1

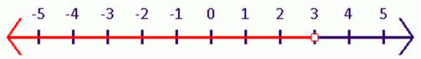
12) Which inequality matches the graph below?



a) v > -3 b) v > 3

c) v ≤ -3 d) v < 3

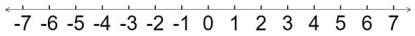
13) Which inequality matches the graph below?



a) x > 3 b) x < 3

c) x ≤ 3 d). x ≥ 3

14) Which inequality matches the graph below?

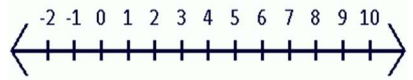


a) n < 0 b) n ≤ 0

c) n ≥ 0 d) n > 0

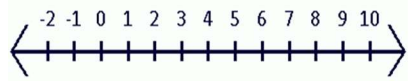
15) Solve x + 11 > 19

16) Graph the solution to the inequality from question #15.



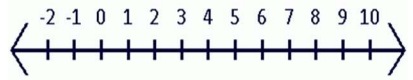
17) Solve x – 3 ≤ 5

18) Graph the solution to the inequality from question #17.



19) Solve 3x < 12

20) Graph the solution to the inequality from question #19.



21) Solve $\frac{x}{4} \geq 2$

22) Graph the solution to the inequality from question #21.

23. Write an inequality for this statement "x is less than or equal to 7".

24. Write an inequality for this statement

"x is greater than -9"