Unit 4 PRACTICE test B Name:_____

Find the solution. If it's an inequality, graph the solution.

1. $\cancel{3}+x>17$
-3
$x>14$
13 14 15

2. $12<\frac{w}{\cancel{2}}$ $\cdot 2$
$24<w$
23 24 25

3. $m+\cancel{16}=\cancel{101}\ 71$
-46
$m=55$

4. $\cancel{15}y=90$
$\overline{15}$
$y=6$

5. $x-\cancel{82}\geq 67$
$+82$
$x\geq 149$
148 149 150

6. $p+8.37=\cancel{12.80}\ 4.80$
$-\ 8.37$
$p=4.13$

Sorry should have said 12.5

7. $\cancel{2}y\leq 4.8$
$\overline{2}$
$y\leq 2.4$
2.3 2.4 2.5

8. $\frac{a}{\cancel{3}}=3.2\cdot 3$
$a=9.6$

9. $f-\cancel{1.2}>1.8$
$+1.2$
3.0
$f>3$
2 3 4

10. $w-\frac{\cancel{5}}{\cancel{6}}=\frac{1}{6}+\frac{5}{6}=\frac{6}{6}$
$w=1$

11. $f-\cancel{31.2}=48.04$
$+31.20$
79.24
$f=79.24$

12. $\cancel{8}x>66$
$\overline{6}$
$x>11$
10 11 12

13. $10<p-\cancel{8}$
$+8$
$18<p$
17 18 19

14. $\frac{m}{\cancel{6}}\leq 4\cdot 6$
$m\leq 24$
23 24 25

$\geq$ closed circle

$\leq$

$>$ open circle

$<$

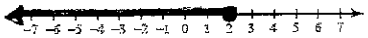
Match the graph to the correct inequality.

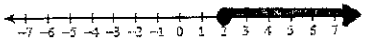
D 15. $x>2$

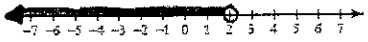
A 16. $x\leq 2$

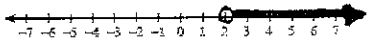
B 17. $x\geq 2$

C 18. $x<2$

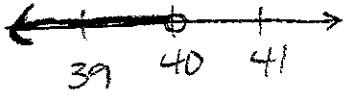
A 

B 

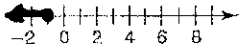
C 

D 

19. Graph the solution for $x<40$



20. Write the inequality for the graph.

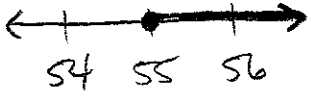


$x\leq -1$

It will be at least 55 degrees today.

21. Write the inequality. $x\geq 55$

22. Draw a graph of the solutions.

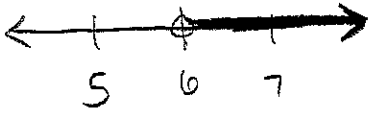


No more than 5 people can fit in my car.

23. Write the inequality. $x\leq 5$

24. Draw a graph of the solutions.

Lunch will cost more than $6.00.

25. Write the inequality. $x>6$

26. Draw a graph of the solutions.