

6th Grade
April 26, 2021

Today we will:

- Complete Friday's Pg631/641 together
- Work on 8-6 and 8-7 Skills WS in class
- Work on Function Machine, ALEKS, or getting binder ready if any extra time

HOMWORK:

ALEKS time and topics due TONIGHT at 11:59PM

Function Machine project due TOMORROW, APRIL 27

TEST WEDNESDAY





Name _____

CLASSWORK

Unit 8 Lesson 6-7 Due Date 4/23

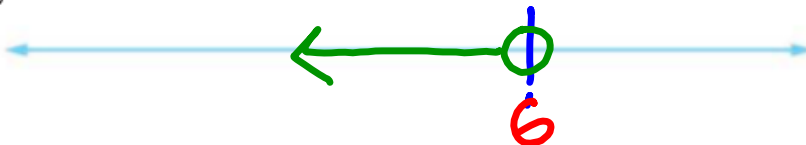
Write an inequality for each phrase below.

14. More than 800 fans attended the opening soccer game. $f > 800$

15. The heavyweight division is greater than 200 pounds. $h > 200$

Graph each inequality on a number line.

16. $g < 6$



17. $z > 18$



18. $h \geq 3$



19. On a certain day, the temperature in Bismarck, North Dakota, was below 4°F. Write and graph an inequality to describe the possible temperatures.

$d < 4$



Solve each inequality. Graph the solution on a number line.

13. $a + 4 < 9$ $a < 5$



Homework Help

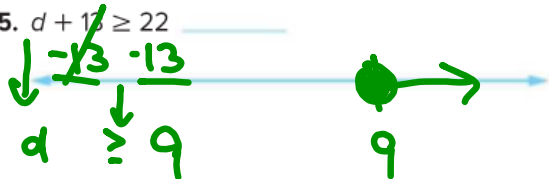
$$\begin{array}{r} a + 4 < 9 \\ -4 \quad -4 \\ \hline a < 5 \end{array}$$

14. $x - 8 \geq 13$



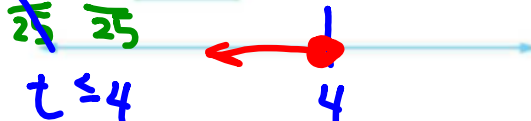
$$\begin{array}{r} x - 8 \geq 13 \\ +8 \quad +8 \\ \hline x \geq 21 \end{array}$$

15. $d + 13 \geq 22$



$$\begin{array}{r} d + 13 \geq 22 \\ -13 \quad -13 \\ \hline d \geq 9 \end{array}$$

16. $25t \leq 100$



$$\begin{array}{r} 25t \leq 100 \\ \div 25 \quad \div 25 \\ \hline t \leq 4 \end{array}$$

17. $\frac{g}{2} < 6 \cdot 2$



$$\begin{array}{r} \frac{g}{2} < 6 \cdot 2 \\ \downarrow \downarrow \\ g < 12 \end{array}$$

18. $\frac{r}{7} > 8 \cdot 9$



$$\begin{array}{r} \frac{r}{7} > 8 \cdot 9 \\ \downarrow \downarrow \\ r > 72 \end{array}$$

19. A community needs to raise at least \$5,000 to build a new skateboarding park. They are selling backpacks for \$25 each to raise the money. Write and solve an inequality to determine the minimum number of backpacks they need to sell in order to reach this goal.

$$25b \geq 5000$$

$$\begin{array}{r} 25b \geq 5000 \\ \div 25 \quad \div 25 \\ \hline b \geq 200 \end{array}$$

20. A sales associate at a computer store receives a bonus of \$100 for every computer he sells. He wants to make \$2,500 in bonuses next month. Write and solve an inequality to find the minimum number of computers he must sell.

$$100c \geq 2500$$

$$\begin{array}{r} 100c \geq 2500 \\ \div 100 \quad \div 100 \\ \hline c \geq 25 \end{array}$$

MP Model with Mathematics Solve each inequality. Graph the solution on a number line.


21. $n + \frac{2}{7} \geq \frac{1}{2}$



22. $0.2g > 1.8$






 Name _____
 Unit _____ Lesson _____ Due Date _____

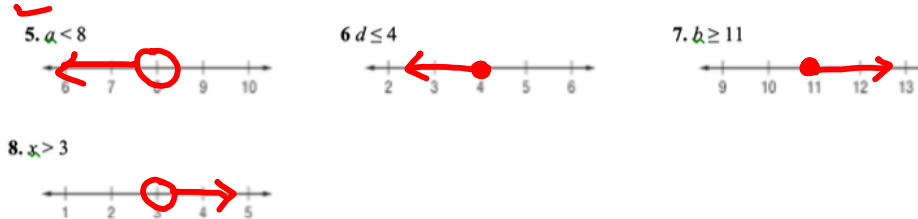
Skills Practice WS, Ch8 Lesson 6 & 7, April 26

Lesson 6 Skills Practice
Write and Graph Inequalities

Write an inequality for each sentence.

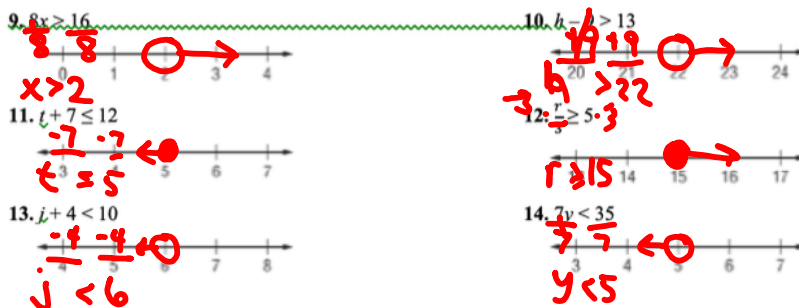
1. More than 40,000 fans attended the opening football game at the University of Florida.
 $f > 40,000$ $40,000 < f$
2. Her earnings were no more than \$86.
 $e \leq 86$
3. A savings account balance is now less than \$550.
 $b < 550$
4. The minimum deposit for a new checking account is \$75.
 $s \geq 75$

Graph each inequality on the number line.



Lesson 7 Skills Practice
Solve One-Step Inequalities

Solve each inequality. Graph the solution on a number line.



15. **SHOPPING** Chantal would like to buy a new pair of running shoes. The shoes she likes start at \$85. If she has already saved \$62, write an inequality to show how much more money Chantal must save.

$$\begin{array}{r}
 62 + m \geq 85 \\
 -62 \quad -62 \\
 \hline
 m \geq 23
 \end{array}$$