

Lesson 5 Skills Practice

Inequalities

Follow the examples from yesterday's HW.

Determine which number is a solution of the inequality.

1.
$$18 + a > 21$$
; 2, 3 4

3.
$$7 + r \ge 18$$
; 11, 10, 9



5.
$$32 - n \le 17$$
; 13, 14, 15



7.
$$10 - f < 7$$
; 2, 3, 4



the given value a solution of the inequality?

9.
$$2 + s \ge 10$$
; $s = 7$



$$11.4 - 11 \ge 20; j = 32$$

13.
$$16 + m > 40$$
; $m = 16$



15.
$$15 \le 3z$$
; $z = 4$



2.
$$24 - x \le 19$$
; 3, 4 (5)

4.
$$9 - h > 2$$
; 6, 7, 8



6.
$$16 + j \ge 29$$
; 13, 12, 11



8.
$$52 + q < 56$$
; 5, 4, 3



10.
$$14 - r < 9$$
: $r = 6$



12.
$$t+6 > 40$$
; $t=35$

14.
$$9x \ge 80$$
; $x = 9$

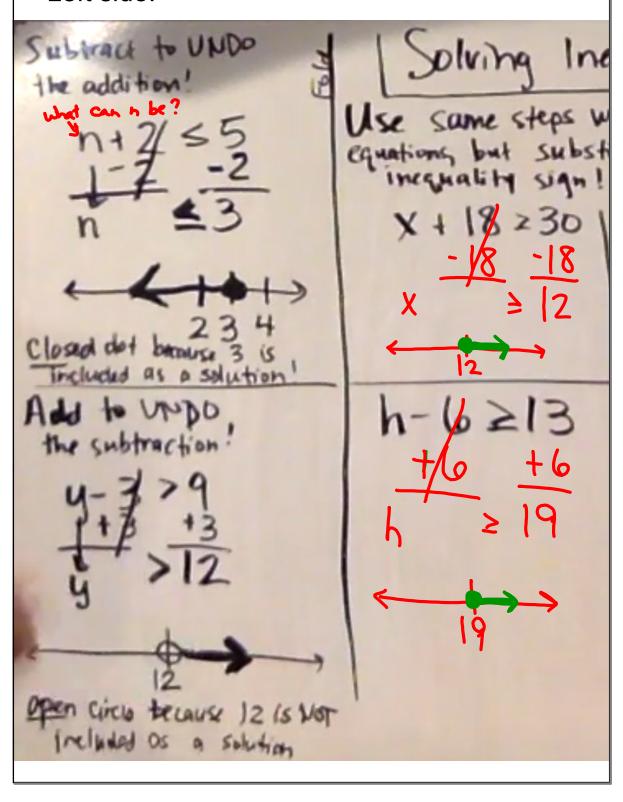
16.
$$2n > 26$$
; $n = 5$



Check completed notes/HW and put in binder if it is not already.

Graph and Solve Inequalities Video Notes, Ch& Lesson 6 & 7, April 23

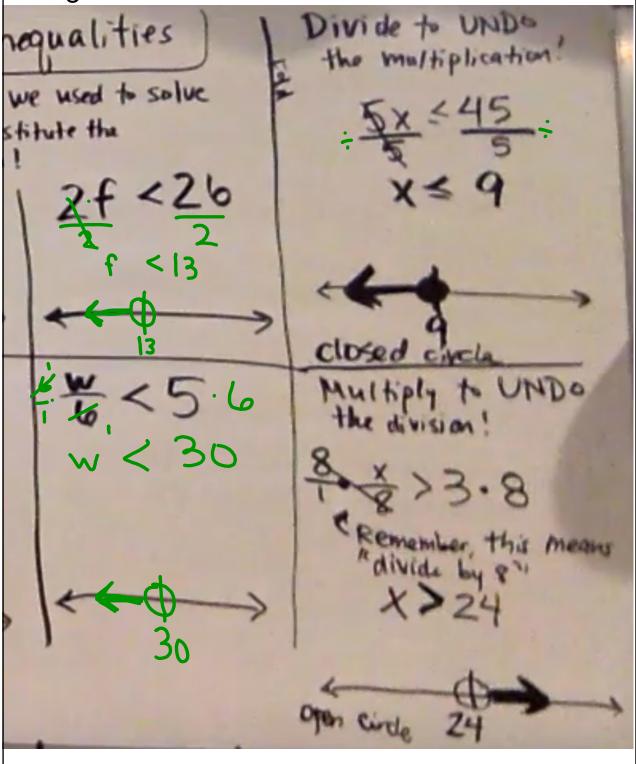
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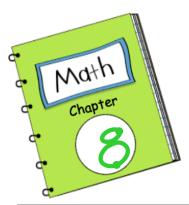


Task #1: Check completed notes/HW and put in notebook if it is not already.

Graph and Solve Inequalities Video Notes, Ch8 Lesson 6 & 7, April 23

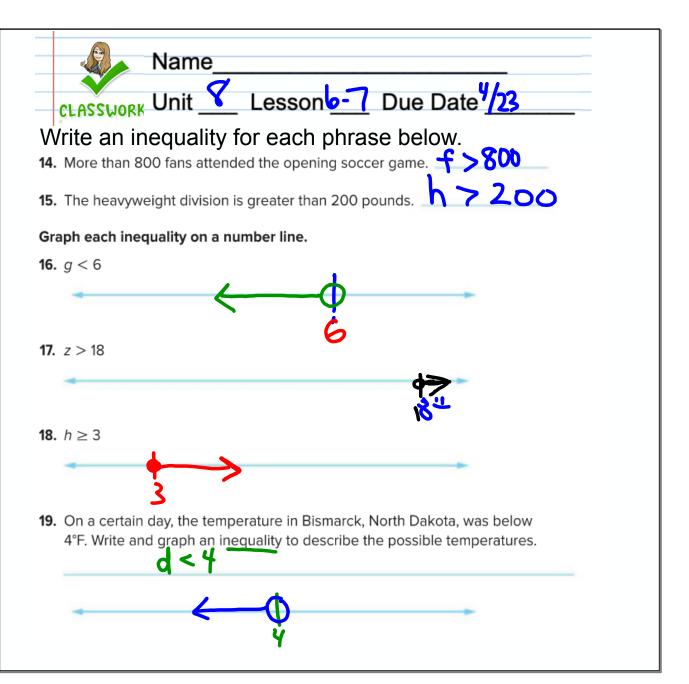
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TETUS: Functions

Date	Lesson	Topic/Assignment
4/12	1	Function Tables In-Glass Notes
4/13	1	HOMEWORK: Homework Practice WS
4/13	1	CLASSWORK: Pg583 WS
4/14	2	Function Rules Video Notes and In-Glass Notes
4/15	2	HOMEWORK: Practice WS
4/15	2	CLASSWORK: Extra Practice WS
4/16	3	Functions and Equations In-Class Notes
4/19	3	CLASSWORK: Pg 599 WS
4/21	5	Inequalities Video Notes and Glass Notes
4/22	5 6&7	HOMEWORK: Pg623-624 WS Graph and Solve Inequalities VN
4723	6&7	Graph and Solve Inequalities VN
4/23	6&7	CLASSWORK: Pg631/641WS



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

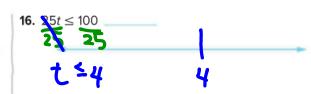
13. *a* + 4 < 9 __^ < 5



$$a + 4 < 9$$
 $-4 -4$
 $a < 5$



15. $d + 13 \ge 22$



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

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

- 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.
- 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.

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

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

22. 0.2*g* > 1.8 _____

