6th Grade
April 22, 2021

Today we will:

-Review HW

-Work on classwork

-Work on project or video notes if extra time

HOMEWORK:

Complete Skills WS if not done

Video notes

OPTIONAL Assignment on equations for points back on quiz due TOMORROW. SHOW BALANCING ON EACH SIDE OF THE EQUAL SIGN!

ALEKS time and topics due Monday

Function Machine project due TUESDAY, APRIL 27

Task #1: Check these completed notes and put in notebook if they are not already.

Determine which number is a solution of the inequality.

14. $5 - h \geq 2$; 3, 4, 5 ___3___

Try 3.
$5 - 3 \overset{?}{\geq} 2$
$2 \geq 2$ ✔

Try 4.
$5 - 4 \overset{?}{\geq} 2$
$1 \geq 2$ ✘

Try 5.
$5 - 5 \overset{?}{\geq} 2$
$0 \geq 2$ ✘

15. $j + 8 \leq 8$; 0, 1, 2 ___0___

$0 + 8 \leq 8?$ ✔
$1 + 8 \leq 8?$ ✘
$2 + 8 \leq 8?$ ✘

Is the given value a solution of the inequality?

16. $25 \geq 5u, u = 5$ ___yes___

$25 \geq 5 \cdot 5?$
$25 \geq 25$ ✔

17. $13 \leq 4v, v = 3$ ___no___

$13 \leq 4 \cdot 3?$ No

18. Mrs. Crane recorded the number of sandwiches sold in her deli on one day. If she sells more than 25 of a type of sandwich, she orders more meat from the butcher. Use the inequality $s > 25$, where s is the number of sandwiches sold, to determine which meats she needs to order. ___ham and turkey___

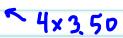| Sandwich	Number Sold
Club	25
Ham	30
Roast beef	22
Turkey	28

19. The height of each member of a family is listed in the table. In order to ride a certain roller coaster at an amusement park, you must be at least 54 inches tall. Use the inequality $h \geq 54$, where h is a family member's height, to determine who can ride the roller coaster.

Carmen, Eliot, and Ryan

Name	Height (in.)
Carmen	66
Eliot	54
Isabella	49
Jackson	52
Ryan	71

20. **MP** **Be Precise** Pedro subscribes to a service where he can download up to five free ringtones each month. Each ringtone after that costs $3.50 each. During which months did Pedro exceed the plan? How much is Pedro's additional cost in 6 months? **February and April;**
$14.00 ← 4 × 3.50

Month	Ringtones
January	5
February	6 +1
March	4
April	8 +3
May	5
June	4

Power Up! Common Core Test Practice

21. The number of moons for some of the planets are shown in the table.

Let *m* represent the number of moons for a planet. Which of the following planets have moons that represent solutions of the inequality $m > 27$? Select all that apply.

■ Jupiter ☐ Earth
■ Saturn   ☐ Uranus

Planets	Moons	Planets	Moons
Earth	1	Uranus	27
Mars	2	Saturn	47
Neptune	13	Jupiter	63

22. The inequality $h \geq 48$, where *h* is a person's height in inches, can be used to determine who can ride the Screaming Eagle roller coaster. The table shows the heights of some friends who want to ride the roller coaster.

Complete the chart to show who is and who is not able to ride the roller coaster.

Name	Height (in.)
Chris	49
Gregorio	56
Heather	53
Jason	48
Molly	47
Tito	44

Able to Ride	Not Able to Ride
Chris **Gregorio** **Heather** **Jason**	**Molly** **Tito**

Common Core Spiral Review

Write an expression to represent each situation. **5.OA.2**

23. Alexis had 5 stickers and her sister gave her 3 stickers. **5 + 3**

24. There were 7 lemons on the lemon tree. Then 2 fell off the tree. **7 − 2**

25. Gavin had 5 packages of hotdogs that each contained 8 hotdogs. **5 × 8**

26. The distance 4 friends walked is shown in the table. Graph the numbers on the number line. Who walked the shortest distance? **4.NBT2, 5.NBT.3b**
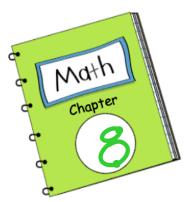
Makenna

Name	Miles Walked
Corrine	2.5
Makenna	1.5
Noah	3
Tristan	2

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5

27. In one week, Carson read 4 books and Henry read 6 books. Fill in the blanks to compare the number of books they read. **4.NBT.2**

6 > **4**

Math
Chapter
8

TITLE:
Functions

Date	Lesson	Topic/Assignment
4/12	1	Function Tables In-Class Notes
4/13	1	HOMEWORK: Homework Practice WS
4/13	1	CLASSWORK: Pg583 WS
4/14	2	Function Rules Video Notes and In-Class 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 Class Notes
4/22	5	HOMEWORK: Pg623-624 WS
4/23	5	CLASSWORK: Skills WS
4/23	6&7	Graph and Solve Inequalities VN

Name_____

Unit _____ Lesson _____ Due Date _____

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

2. $24 - x \leq 19$; 3, 4, 5

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

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

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

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

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

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

Is the given value a solution of the inequality?

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

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

11. $j - 11 \geq 20$; $j = 32$

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

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

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

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

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

Homework: Complete as you watch the Edpuzzle video and put in binder.

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

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Subtract to "UNDO" the addition!

Use the same steps we used to solve equations, but substitute the inequality sign!

Divide to "UNDO" the multiplication!

Add to "UNDO" the subtraction!

Multiply to "UNDO" the division!