Hello Everyone!

Welcome to Week 4 of Home-School! WEEK FOUR! I cannot believe it has been (°) WHAT IS TIME these days?? four weeks since I have seen you all 🙁

YOGA

ME >>



You have had four weeks now to get into your own Home-School routine. I have heard from many of you about how this is going. Some are doing very well (even better than working at school!), some are still figuring out the perfect routine. Some of you are finding it very difficult.

It is okay for us all to be at different places. I recognize this will look different for each of you.



Some of you are not yet ready for this week's package of new work - that is okay! Put it aside! Don't touch it yet. The priority is for you to start from the beginning. Start wherever you left off.

Due dates are a flexible concept these days. If you are unsure about where to begin, or what you should be doing, send me a message on Teams, email or by phone!

Last week, Sunrise School Division sent home a letter with some new information. Some highlights of this letter are:



BOOK WORM

MF

ME + PUPPL

- K-12 students are expected to continue learning at home •
- Bus drivers will be starting to deliver + pick up student work packages
- Student personal items from lockers and classrooms will be delivered home •
- A divisional "homework hotline" will be created soon
- 9-12 student marks are only increasing from March 20th







Please make sure you are checking Microsoft Teams, the school website and/or the PVS >PAC Facebook page often for updates!

My latest stay-at-home hobby has been teaching myself computer coding. There are many free apps available to teach beginner coding! If you are interested in learning how the internet and computers work, check out these apps:

SoloLearn: Learn to Code, Codeacademy Go, or Py - Learn to Code!

I hope you are healthy and happy and nerding out learning every day!



Ms. Burns

9 Math

Juesday, April 14th – Juesday, April 2^{kt}

- Review your previous weekly schedules. What have you not done yet? <u>This is where you start!</u>
- Organize all work that needs to be handed in. This is all yellow assignments, and your U3 Test.
- 04:L3
- U4:L4

U4:A2

Suggested Schedule:

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Catch up on what you have not yet finished!	U4:L3	U4:L4	UH:A2	U4:A2
MONDAY	TUESDAY			
Review Everything	*Next package arriving* HAND-IN WORK TO BUS DRIVER!			

REMEMBER: I am available every day 9AM-4PM for video chats, Teams messaging, phone calls and emails! Please contact me with all your questions!

9 MATH OG: Algebro Booklet Two April 13th – April 20th





"Mr. Osborne, may I be excused? My brain is full."

Make sure to email me or send messages on Microsoft Teams with whatever questions you have!

U4:L3 INequality symbols

Remember the following symbols are used to represent how you compare a variable to a certain number given...



Remember the smaller "arrow" points to the smaller number. The bigger end is at the bigger number...



The double line on the bottom identifies that the number is **equal to or bigger than** or **equal to or less than**.

EXAMPLES:

 $5 \le x = 5$ is equal to or less than x" OR "x is equal to or greater than 5"

 $a \ge 33$ = "a is greater than or equal to 33" OR "33 is equal to or less than a"

PRACTICE!

Translate the following words into inequalities with numbers and symbols:

1)	5 is not more than x	2)	Value of x is greater than or equal to 14
3)	x is greater than or equal to 12	4)	6 is not less than x
5)	Value of x is greater than 7	6)	x is greater than 15
7)	x is not more than 13	8)	9 is less than or equal to x
9)	Value of x is atleast 1	10)	Value of x is less than 14
11)	Value of x is less than or equal to 10	12)	x is more than 3
13)	16 is less than x	14)	Value of x is atmost 8
15)	Value of x is not greater than 18	16)	2 is more than x

Inequalities create sets of numbers.

The "rule" that is given, implies that there are numbers that:

- Belong to this set (the variable CAN equal these numbers)
- Do not belong to this set (the variable CANNOT equal these numbers)

Circle the numbers that belong in the set created by the inequality:



U4:L4 Graphing Inequalities

We can also represent inequalities on number lines.

- \circ Empty circles means the number is NOT INGLUDED (< or >)
- Filled circles means the number IS INGLUDED (\leq or \geq)
- The arrow points in the direction that are ALLOWED values.



It is important to include the OPPOW (--->) at the end of your line. It signifies that the inequality continues to larger or smaller values not shown on the number line.



On an inequality graph, an **open circle** is used for **greater than** and **less than**. A **filled circle** is used for **greater than or equal to** and **less than or equal to**.

PRACTICE!

***It is important to make sure your circles and arrows are VERY CLEAR!

We need to be able to see if the circles are filled or not!



Write the inequality shown by each number line.



Inequalities can be solved the same way we solve equations.

- Do the opposite operation
- Do the same to both sides
- > The difference between equations and inequalities is that you need to remember to include the proper symbol (not =)

Solve each inequality and then graph the solution:



V4:A2 Inequalities

Re-write each sentence in algebraic form (numbers and symbols):

29

a is more than 99.
p is 100 or less.
z is not less than 5.
20 is equal to or greater than h.
21 is less than or equal to r.

Write the inequality shown by each number line:



Graph each inequality on the number line:



- 12. For the inequality $c \ge 76$, Tami says 80 and 100 are both solutions. Is she correct? Explain why or why not.
- 13. For the inequality 12 > d, Jarod says 9 and 12 are both solutions. Is he correct? Explain why or why not.
- 14. Solve for the variable. Show your work:

$\frac{x}{5} + 6 < 2$	5x – 13 > 2	7 ≥ 3x + 4
7x + 1 ≤ 15	13 > 5x – 7	$\frac{4+x}{6} \ge 2$