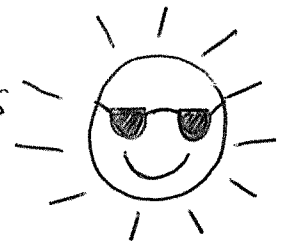


Hey Everyone!



CLASSIC SUN
wearing sunglasses
DOODLE of
a 10 year old
MS. BURNS



Congratulations on another week of Home-Schooling done! Did you get lots of learning in this week?

There is so much learning happening all around us these days (above and beyond what you are participating with connected to school).

Being self-isolated is challenging us in millions of ways.

We are learning how to be patient with our family members.

We are learning how to sacrifice our own desires for the safety and health of others.

We are learning how to create joy and fun.

We are learning about happiness and simplicity.

We are slowing down and finding new routines.

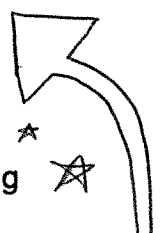
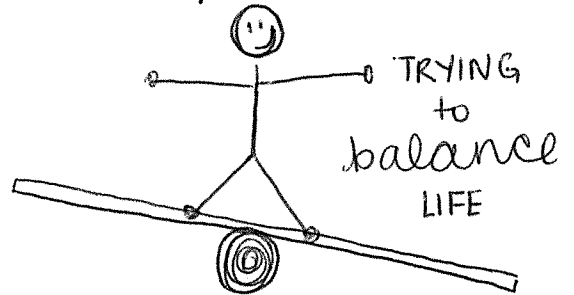
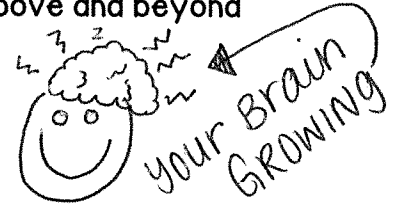
We are learning about balance.

We are recognizing what we truly value and what do not.

We are learning new coping strategies for loneliness and anxiety.

We are learning how to be patient, brave and resilient.

And hopefully we are learning some math, science, and English too.



REMEMBER
the
CRANKY OLD
grandpa
story?

Whatever your new balanced routine looks like, recognize that you are learning lots. And you are a strong and courageous superstar.

If you are feeling yuccccckkkkk or mllllllehhhhh or ggggggrrrrrrrr... don't panic. Many of us are feeling this way. You are not alone.

Reach out to your friends online or on the phone.

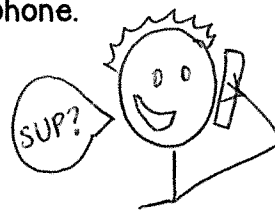
Check in with the people you love.

Support each other.

And keep your brain and body active!

Thinking of you,

Ms. Burns



Hey Everyone!

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We are slowing down and finding new routines.

We are learning about balance.

We are recognizing what we truly value and what do not.

We are learning new coping strategies for loneliness and anxiety.

We are learning how to be patient, brave and resilient.

And hopefully we are learning some math, science, English and all that good stuff too.

Whatever your new balanced routine looks like, recognize that you are learning lots. And you are a strong and courageous superstar.

If you are feeling yuccccckkkkkk or mllllllehhhhhh or gggggrrrrrrrr... don't panic. Many of us are feeling this way. You are not alone.

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Ms. Burns

9 Math

Your checklist for this week is to...

- Look through your packages. Start wherever you got to.
- Complete U4 Test**
- Hand in all completed booklets and projects to your bus driver, or by sending me photos online.
- Email / Teams / phone me with all of your questions!

U4

+ test +

EQUATIONS + INEQUALITIES

Name:.....

- Take your time
- Show all your work for all questions
- Do not be afraid to ask questions
- When you are finished, re-read and review your answers to make sure you haven't made any mistakes
- YOU GOT THIS!

FINAL MARK	$\overline{56}$	%
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Match the following terms + definitions:

...draw a smiley face under the word expression for a bonus point

EQUATION	An unknown quantity (usually a LETTER)
EXPRESSION	A mathematical phrase with an equals sign
VARIABLE	The opposite (for example: adding and subtracting)
CONSTANT	A flipped fraction
RECIPROCAL	A known quantity (usually a NUMBER)
INVERSE	A mathematical equation without an equals sign

[7 PTs]

Fill in the following table if...

$a = 5$	$b = 3$	$c = 100$	
$a + b + c$	$c \times a$	$(c \div a) + b$	$(b) \times (a) - 2c$

[4 PTs]

Write the following algebraically (with numbers and symbols):

- a) 5 times the amount of x
- b) 55 increased by xy
- c) F is less than 4.5
- d) G is greater than 0.03
- e) H is equal to or smaller than 99

[5 PTs]

Solve the following problems. For each, please show ALL of your work.

1. Kim Kardashian has a lot of clothing. In total she owns 5,000 pairs of shoes. 100 of those shoes are flipflops. 12 of those shoes are wheelies. How many shoes does she have that are not flipflops?

2. Kristina has 4 times as many Facebook friends as Ms. Burns. If Ms. Burns has 81 Facebook friends, how many does Kristina have?

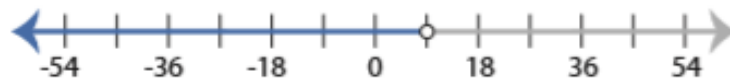
[6 PTs]

Pick 3. Find the value of the variable (show your work!) + check your answer to prove it!

$x \times 2 = 10 + 100$	$1 + 2 + 3 + 4 = 2a$	$a \times (20 + 4) = 2,000$
Prove it:	Prove it:	Prove it:
$-3y + 10 = 100$	$\frac{a}{9} = 7 + 7 - 7$	$10.5 + 10.5 = -2a$
Prove it:	Prove it:	Prove it:

[6 PTs]

Write an inequality (with symbols) for the following graphs:



[3 PTs]

Draw a graph for the following inequalities:

$$a > -2.5$$



$$b \leq 100$$



$$-\frac{3}{5} > c$$



[3 PTs]

Write out a phrase for the following inequalities:

$$a > 13$$

$$b \leq 13$$

$$13 \leq c$$

[3 PTs]

PICK 5. Solve for the variable. Show your work.

$\frac{x}{5} + 6 < 2$	$5x - 13 > 2$	$7 \geq 3x + 4$
$7x + 1 \leq 15$	$13 > 5x - 7$	$\frac{4+x}{6} \geq 2$
$3(4j + 5) \leq 2(-10 + 5j)$	$\frac{x}{2} + \frac{4}{2} < \frac{5}{4} + \frac{2x}{8}$	$\frac{2a + 2}{3} > 5$

[10 PTS]

Solve the following polynomials:

$(9x + 4x^2 + x + xy) + (x^2 + xy + 10x)$	$(4h^5 + 5h^2 + 2h + h) - (h^5 - h^2 + 10h)$
$9(2y + 5)$	$\frac{(90x + 5y - 15)}{5}$
	[4]

Solve the following, with BEDMAS

$5^2 + (4 + 2 - 8) + \frac{1}{2}$
$\frac{5}{4} + \frac{1}{2} \times 2(5 - 3)$
[2]

Fill in the following table:[3]

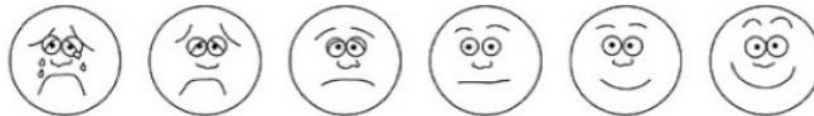
Repeated Multiplication	Exponential Form
$-7y \cdot -7y \cdot -7y \cdot -7y$	
$-(xy)(xy)$	
	$-(4a)^3$

REFLECTION

Give yourself a checkmark for each concept you UNDERSTAND.

I understand the difference between an equation, expression and inequality.	
I understand how to solve for a variable in an equation or inequality.	
I understand how to prove my solution for solving a variable of an equation or inequality.	
I recognize inequalities and their matching graphs.	
I can solve multi-step inequalities and equations.	

How do you feel about your math skills for this unit?



How prepared are you for this test? (circle a number)

1 = NOT PREPARED AT ALL OMGGGGGGGGGGGG

10 = TOTALLY PREPARED, I'M A CHAMP!

1 2 3 4 5 6 7 8 9 10

How many hours / minutes / seconds / milliseconds have you spent on math outside of the classroom to prepare for this test?

What is your goal for the new unit?
