Teacher <u>De La Mora</u> Subject <u>Algebra Support</u> <u>Dates <u>4/27-5/1 (Week 2)</u> 7-12 Weekly Planner Welcome to our Distance Learning Classroom! Student Time Expectation per day: 30 minutes</u>

Content Area & Materials	Learning Objectives	Tasks		neck-in Opportunities	Submission of Work for Grades
Digital (If you can work digitally, please do. It will help to keep us all safe ⓒ) • Khan Academy (KA) Access Code Period 1: 9EWGP5FX Period 2: KGZG4TPE • EdPuzzle (EP) Access Code Period 1: BERONVU Period 2: TAVWAFA	Suggested Order / Pac Review Dividing By Zero (M Equations w/ varia both sides (Tuesda Equations w/ varia both sides: Fraction (Wednesday) Number of Solution Equations (Thursda Equations with no sol/infinitely many	complet assigned assigned Academ EdPuzzle bles on as to y)	e the du tin ay and	es. De La Mora is available oring the office hours at the nes indicated below. 10:00 am-12:00 pm Monday-Friday Remind App CODE: dk4g79 adelamora@tusd.net	KA / EP assignments will be recorded with the highest scores attained
Hard Copy (Please only use this if you do not have technology available) Notes + Examples Assignments	Suggested Order / Pac Review Dividing By Zero (M Equations w/ varia both sides (Tuesda Equations w/ varia both sides: Fraction (Wednesday) Number of Solution Equations (Thursda Equations with no sol/infinitely many	the lesson example of pape assignments problem your worky)	en and duting the sprovided barate sheet of for each ent, ent, showing	ers. De La Mora is available aring the office hours at the nes indicated below. 10:00 am-12:00 pm Monday-Friday Remind App CODE: dk4g79 adelamora@tusd.net	Group your work together for your math class IN ORDER, and with the following labels clearly displayed: Student Name: Teacher Name: Class Name/Subject: Period: Assignment Week # Assignments will be scored on accuracy.
Scheduled, if possible, Discussion	kimballmath.wordpress Discussions will revolve	around discovery and	application of co	meetings by visiting the cla ncepts assigned for the we	
Scaffolds & Supports	KA assignments can often be re-tried to improve learning. Videos are utilized to demonstrate not only key concepts, but also frequent points of errors, helping students avoid pitfalls				
Teacher Office Hours 2 hours daily (all classes): Contact Platform	Monday 10:00 am-12:00 pm	Tuesday 10:00 am-12:00 pm	Wednesdo 10:00 am-12:0		Friday pm 10:00 am-12:00 pm

Student Name:
Teacher Name:
Class Name/Subject:
Algebra Support
Period:
Assignment Week #: 2

NOTES: Complete all work on a separate sheet of paper. Include the heading provided on each worksheet you turn in. Show all work.

Monday

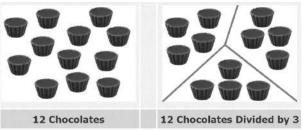
Dividing

To see why, let us look at what is meant by "division":

Division is splitting into equal parts or groups.

It is the result of "fair sharing".

Example: There are 12 chocolates, and 3 friends want to share them, how do they divide the chocolates?



So, they get 4 each: 12/3 = 4

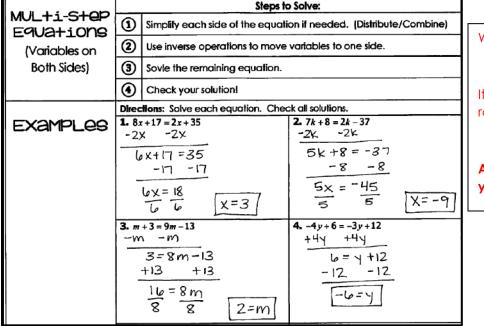
Now, let us try dividing the 12 chocolates among zero people, how much does each person get?

Does that question even make sense? No, of course it doesn't.

We can't share among zero people, and we can't divide by 0. If we multiply 1/0 by zero we could get 0 or 1. In fact, we can't have both possibilities, so we **cannot** define 1/0 to be a number.

So, it is undefined.

Tuesday



Watch the signs!

It's okay to have rational answers.

Always check your work.

						_	
Wednesday	Clearing the	Rather than working with the fractions, it can be easier to use a process called clearing the fractions. Steps to solve:			_		
	Fractions		e least common de	mmon denominator (LCD).			do not multiply
	1 100010010	2 Multiply the	e entire equation by	uation by the LCD. This will clear the fractions.			ne LCD then I need to
		3 Solve the r	emaining equation.	equation.			lify your final
		4 Check you					ver.
	Examples		each equation by			-	
	Ortic in its	<u>_</u>	_	D? $\sqrt{\frac{3}{2}}a - 2 = -\frac{13}{4}$ $+$ LCD? $\frac{4}{}$		` 	
		13×+4=	-4	6a -8 = -13 +8 +8		Che	ck your work!
		13× = -					
				<u>6a = -5</u>			
		X=	-1	$\alpha = \frac{-5}{4}$			
	$7 \left[\frac{101}{20} = \frac{13}{10} w + \frac{15}{4} \right] \cdot 2$	o LCD? <u>20</u> 8.	$\left[7n - \frac{1}{2} = \frac{20}{9}\right] \cdot 18$	rcos 18	$10\left[\frac{11}{12} = \frac{3}{2}x + \frac{5}{3}\right] \cdot 12$	LCD? 12_]
	101 = 26w +7	5	126n -9=40		11= 18× + 20	,	
	-75 -75	2	+9 +9		-20 -20	-	
	$\frac{26 = 26W}{26}$		126n = 49 126 126		$-9 = 18 \times \frac{18}{18}$		
	1=W		n= 1				
			18		$-\frac{1}{2} = X$		
Thursday	Types of		tions we have solved				
,	Solutions	Solve	Solve the equations below t		ons below to see what happens.		
	3014110113	3(2x + 9) = -5		elution = 4(x+3)+1	Infinite Solution $-2(3x-5) = 2x+10-8x$		
		6x+27 = -5.	-2v	4x+12+1	-6x +10 = -6x+10		
			<u>***</u>	= 4×+13	+6× +6×		
		8x +27 =			10=10		
		$\frac{8X = -32}{8}$		7 13			
		l	- I				
		x= -4					
	Whatdoes	This is the ONLY SO	WITON that will t	SOLUTION make the	ALL SOLUTIONS will make the		
	this mean?	that will make i equation true		on true.	equation true. Symbol: O		
	Directions: Solve	each equation		7,			
	1. $5x-3=3(2x-1)$			2. $2n-5=9n+37$			
	5x-3 = 6x	-3 -x	-2n	-2n -2n			
Friday	5x-3 = 5x-3			-5= 7n+37			
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		-3	-37 -37 $-42 = 7n$ $7 7$ $-6 = n$ $4. 4(2k-3)+1 = 8k-11$ $8k-12+1 = 8k-11$ $8k-11 = 8k-11$ $-8k -8k$ $-11 = -11$			
			-:				
			4. 4(2k				
			8 K				
			01				
			1				
			-8				
	10	LØ					
				[80]			

Student Name: Teacher Name: Class Name/Subject: Algebra Support Period: Assignment Week #: 2	Complete all work on a separate sheet of paper. Show all work. Include the heading provided on each worksheet you turn in.			
Monday	Tuesday			
1.) What values of x make the ratio undefined?	1.) Solve for b. Check your work.			
$\frac{3}{x}$	a) $4b + 5 = 1 + 5b$			
2.) Simplify the expression. Find the values of x	b) $4b - 4 = 5b - 8$			
that make the ratio undefined.	c) $2b + 4 = 10 + 5b$			
$\frac{(x+3)(x+3)}{x+3}$	d) $2-2b=3b+17$			
3.) What values of x make the ratio undefined?	2.) Solve for a. Check your work.			
$\frac{1}{x^2}$	a) $5 + 14a = 9a - 5$			
x^2	b) $a - 15 = 4a - 3$			
4.) What values of x make the ratio undefined?	c) $12a - 4 = 14a - 10$			
(Hint: Factor)	d) $-3 + 5 + 6a = 11 - 3a$			
$\frac{1}{x^2-4}$				
5.) Simplify the expression. Find the values of x	3.) Solve for n. Check your work.			
that make the ratio undefined.	a) $16-2n=-3n+6n+1$			
$\frac{1}{2x-1}$	b) $16 - 2n = n + 9 + 4n$			
6.) Simplify the expression. Find the values of x	c) $9n+4=-5n+14+13n$			
that make the ratio indeterminate?	d) $17 - 2n = 2n + 5 + 2n$			
$\frac{0}{2x-1}$				

Student Name: Teacher Name: Class Name/Subject: Algebra Support Period: Assignment Week #: 2	Complete all work on a separate sheet of paper. Show all work. Include the heading provided on each worksheet you turn in.
Wednesday	Thursday/Friday
1.) Solve for s. Check your work.	 How many solutions does the following equation have? Explain your reasoning and show your work.
a) $0.5s + 1 = 7 + 4.5s$	3(x+5) = -4x + 8
b) $4s + 5 = 2 + 3.25s$	2.) How many solutions does the following equation have? Explain your reasoning and show your work.
c) $2s + 4 = 10 + 2.5s$	-6(x+7) = -4x - 2
d) $4s + 8 = 7.2 + 5s$	3.) How many solutions does the following equation have? Explain your reasoning and show your work. $3(y+9)=12y+13$
2.) Solve for m. Check your work.	4.) How many solutions does the following equation have? Explain your reasoning and show your work.
a) $12 - \frac{1}{5}m = 2r + 1$	5x + 8 - 7x = -4x + 1
b) $15.3 + m = 1.3 - m$	5.) How many solutions does the following equation have? Explain your reasoning and show your work.
c) $3.26d + 9.75d - 2.65$	-6y + 13 + 9y = 8y - 3
d) $-\frac{1}{4}m - 4 = \frac{7}{4}m - 3$	6.) Which of the following equations have exactly one solution? Choose all the answers that apply. Justify how you know. a) $2x - 31 = 2x - 31$ b) $2x - 31 = -2x - 31$ c) $2x + 31 = 2x - 31$ d) $2x - 2 = 2x - 31$