Teacher <u>De La Mora</u> Subject <u>Algebra Support</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	

Content Area & Materials	Learning Objectives		lasks	n per day: <mark>30</mark>		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	 <u>Suggested Order / Pac</u> Review Dividing By Zero (N) Equations w/ varia both sides (Tuesda Equations w/ varia both sides: Fraction (Wednesday) Number of Solution Equations (Thursda) Equations with no sol/infinitely many 	Nonday) bles on y) bles on ns ns to iy)	Students are to complete the assigned Khan Academy and EdPuzzle Assignments.		Mrs. De La Mora is available during the office hours at the times indicated below. 10:00 am-12:00 pm Monday-Friday Remind App CODE: dk4g79 adelamora@tusd.net 		 KA / EP assignments will be <u>recorded with the</u> <u>highest scores attained</u>
 Hard Copy (Please only use this if you do not have technology available) Notes + Examples Assignments 	 <u>Suggested Order / Pac</u> Review Dividing By Zero (<i>N</i> Equations w/ varia both sides (Tuesda Equations w/ varia both sides: Fraction (Wednesday) Number of Solution Equations (Thursda Equations with no sol/infinitely many 	Nonday) bles on y) bles on ns ns to iy)	 Students are to read the lesson and examples provided On a separate sheet of paper for each assignment, complete ALL problems showing your work. 		Mrs. De La Mora is available during the office hours at the times 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 # <u>Assignments will be</u> <u>scored on accuracy.</u>
<u>Scheduled</u>, if possible,Discussion	Zoom classes can be held during tutoring hours. Schedule your meetings by visiting the class website: kimballmath.wordpress.com Discussions will revolve around discovery and application of concepts assigned for the week.						
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			nelping students avoid pitfalls.			
Teacher Office Hours2 hours daily (all classes):• Contact• Platform	Monday 10:00 am-12:00 pm		sday 1-12:00 pm	Wedne 10:00 am-	-	Thursday 10:00 am-12:00 pn	Friday 10:00 am-12:00 pm

Student Name: Teacher Name:	NOTES: Complete all work on a separate sheet of pe					
Class Name/Subject: Algebra Support	Include the heading provided on each worksheet you					
Period: Assignment Week #: 2	turn in. Show all work.					
	Dividing					
Monday	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 the chocolates?					
	So, they get 4 ed	uch. 12/0 - 4				
		ividing the 12 chocolates among zero people, how mu	ich does each person			
	get?					
	ion even make sense? No, of course it doesn't.					
	We can't share a	among zero people, and we can't divide by 0. If we mu	ultiply 1/0 by zero we			
	define 1/0 to be a					
	So, it is undefined .					
Tuesday		Stone to Solvey				
/	IMUL+1-Step	Steps to Solve:				
,	MULti-Step E9Uations	(1) Simplify each side of the equation if needed. (Distribute/Combine)	Watch the signs!			
	E9Ua+i0NS (Variables on	 Simplify each side of the equation if needed. (Distribute/Combine) Use inverse operations to move variables to one side. 	Watch the signs!			
-	E9Va+ions	 Simplify each side of the equation if needed. (Distribute/Combine) Use inverse operations to move variables to one side. Sovle the remaining equation. 				
-	E9Ua+i0NS (Variables on	 Simplify each side of the equation if needed. (Distribute/Combine) Use inverse operations to move variables to one side. Sovle the remaining equation. Check your solution! Directions: Solve each equation. Check all solutions. 	It's okay to have			
	E9Ua+i0NS (Variables on	 Simplify each side of the equation if needed. (Distribute/Combine) Use inverse operations to move variables to one side. Sovle the remaining equation. Check your solution! 				
	E9Vations (Variables on Both Sides)	(1)Simplify each side of the equation if needed. (Distribute/Combine)(2)Use inverse operations to move variables to one side.(3)Sovle the remaining equation.(4)Check your solution!Directions: Solve each equation. Check all solutions.1. $8x+17 = 2x+35$ $-2x - 2x$ $(y x+17 = 35$ 2. $7k+8 = 2k-37$ $-2k - 2k$ $5k+8 = -37$	It's okay to have rational answers.			
	E9Vations (Variables on Both Sides)	 Simplify each side of the equation if needed. (Distribute/Combine) Use inverse operations to move variables to one side. Sovle the remaining equation. Check your solution! Check your solution! Directions: Solve each equation. Check all solutions. 8x+17 = 2x + 35 -2X - 2X (b X + 17 = 35 -17 - 17 (b X + 17 = 35 -17 - 17 (b X + 17 = 7) (b X + 17 = 7)	It's okay to have rational answers. Always check			
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	E9Vations (Variables on Both Sides)	Image: Simplify each side of the equation if needed. (Distribute/Combine)Image: Simplify each side of the equation if needed. (Distribute/Combine)Image: Simplify each side of the equation if needed. (Distribute/Combine)Image: Solve each equation.Image: Solve each equation.I	It's okay to have rational answers. Always check			
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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	1 Identify the least common denominator (LCD).			If you do not multiply	
	TRACTION		equation by the LCD. T	his will clear the fractions.	by the LCD then	
		3 Solve the remaini	ng equation.		you'll need to	
		Check your solution!			simplify your final	
	0 0 0	Directions: Solve each equation by clearing the fractions.			answer.	
	Examples	5. $\begin{bmatrix} 13\\7\\7 \end{bmatrix} x + \frac{4}{7} = -\frac{9}{7} \end{bmatrix} \cdot 7 LOO? = \begin{bmatrix} 3\\2\\a - 2 = -\frac{13}{4} \end{bmatrix} \cdot 4 LOO? = \begin{bmatrix} 4\\-4\\-4 \end{bmatrix}$			-	
		13×+4=-9	6a -	Check your work!		
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$		3 +8	Check your work:	
		$\begin{array}{c} 13 \\ \hline X = -1 \end{array} \qquad $				
	$7\sqrt{\frac{101}{2}} = \frac{13}{2} + \frac{15}{2}$	0 LOD? 20 8. 7n-1	$=\frac{20}{7.18}$ LCD? 18	$- 10\left[\frac{11}{12} = \frac{3}{2}x + \frac{5}{3}\right] \cdot 12$	LCD?_12	
				-		
	lol = 26w +7 -75 -75	5 126n	-9=40 +9 +9	11= 18 x + 20 -20 - 20		
			4n = 49			
	$\frac{26}{26} = \frac{26}{26} \frac{1}{26}$	12	$\frac{1}{126}$	$-9 = 18 \times \frac{18}{18}$		
	1=W		n=1			
			18	$-\frac{1}{2} = x$		
Thursday		Most equations w	e have solved so far have	only one solution.		
Thursday	Types of		o special cases: no solution quations below to see who			
	Solutions	One Solution	No Solution	Infinite Solution		
		3(2x+9) = -5-2x	$\underline{7x} - 9 - \underline{3x} = 4(x+3) + 1$			
		6x+27 = -5-2x	4X-9=4X+12+1	-6x+10=-6x+10 +6x +6x		
		$\frac{+2x}{8x+27} = -5$	4x - 9 = 4x + 13	10=10		
		-27 -27	-4× -4×	10-10		
			-9 = 13			
		$\frac{8X = -32}{8}$!			
		x= -4				
	What does	This is the ONLY SOLUTION	There is NO SOLUTION that will make the	ALL SOLUTIONS will make the		
	this mean?	that will make the equation true.	equation true.	equation true.		
		٦				
		each equation. Che	$\frac{1}{2} 2n - 5 = 9n + 32$	1	-	
	1. $5x - 3 = 3(2x - 1)$		-2n $-2n$	/		
Friday	5x-3 = 6x	-3 -X		_		
Induy	5x-3 = 5	×-3	-5= 7n	+37 -37		
	-5x -5	X	-37			
	-3 = -		-42 = 7r	n		
	3	3		-		
	α	57	-6=			
	3. $2(4-a) = -2(a+b)$	- 8)	4. $4(2k-3)+1=8$			
	8 - 2a = -2	a+16	8K-12+1	= 8 k - 11		
	+2a +2	-				
			8K-11 =	8K -11		
	8716		-8K .	-8K		
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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) $4b + 5 = 1 + 5b$ b) $4b - 4 = 5b - 8$
 Simplify the expression. Find the values of x 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) $5 + 14a = 9a - 5$
	b) $a - 15 = 4a - 3$
4.) What values of x make the ratio undefined? (Hint: Factor)	c) $12a - 4 = 14a - 10$ 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.	 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) 3.26 <i>d</i> + 9.75 <i>d</i> - 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) $2x - 2 = 2x - 31$