CAASPP Sprint: Equations (2024)

1	Learning Target I can solve and create equations with variables on both sides. (EE)								
	Algeb				ebraic orm			Description	
Id						Nono		re are no values of the variable which the equation is true.	
e n ti fy S ol u ti o n T y e s						One		equation is true for exactly value of the variable.	
					Infinite many		equation is true for all values ne variable.		
	I I I I I I I I I I I I I I I I I I I		NO Solution				Leo is solving the follow 11 + 3x	ving linear equation. $-7 = 6x + 4 - 3x$	
	_ 3	- 3 = 3						His final two steps are:	
	<i>x</i> =	=- 3						4 -	+3x = 3x + 4
	4	4 = 4 - 1 = 1 1 = 1							0 = 0
	- 1							A. The solution is $x = 0$.	
	1							B. The solution is the or	, , , , ,
	0	= x							since 0 = 0 is a false statement.
							D. There are infinitely many solutions because there is no x in the final equation.		
S ol vi	$-\frac{1}{4}(12-8x)-4x=71$					-	-(-10x+7)-	+ x = -14 + 9 - 3x - 2	
n g E									
q u									
а									
ti									
o n									
S									

Verify (YES, do this on SBAC) Identify the type of solution for each equation: a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
a. $6x - 2 - 3x = 3x - 2$	
S	
ol	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
"	
o n	
т т	
$\mathbf{y} \qquad \text{c.} 10 + 6x = 15 + 9x - 3x$	
p	
e s	
d. $11 + 3x - 7 = 6x + 5 - 3x$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	

C r e a t e S ol u ti o n T y p e	Create an equation that has INFINITELY MANY SOLUTIONS $3(2x + 5) - x = \underline{\qquad} x + \underline{\qquad}$	Create an equation NO SOLUTIONS $3(2x + 5) - x = 0$		Create an equation that has ONE SOLUTIONS $3(2x + 5) - x = \underline{\qquad} x + \underline{\qquad}$			
S	Solve:		Solve:	1) 4/3 1) 4			
Equ atio ns with Frac tion s	Fraction Busters - Multiply by the Denominator $-2\left(x+\frac{1}{3}\right)=-\frac{4}{3}\left(\frac{3}{2}x+\frac{1}{2}\right)+\frac{4}{3}$						
Wor d Pro ble ms	Kevin (aka Mr. Stott) owns a candy sho purchase gumdrops from a new suppl Supplier A charges \$0.04 per gumdrop shipping. Supplier B charges \$0.03 per gumdrop shipping. How many gumdrops would he have t cost of both suppliers to be equal?	ier. o, g, plus \$21 from o, g, plus \$24 from o purchase for the	The city has two amusement parks to choose from. The first charges \$8 per hour and they give a \$3 student discount off the total price. The second charges \$7.25 per hour. How many hours would you have to stay at each park for the cost to be the same?				
	Challenge: John wants to order some topping. The restaurant 4 miles away for the cost to be the same?	-	_	= :			