Journal Prompt
Find the Error
Describe and Correct the error in solving the equation.
7 + x = -21
+7 +7
1.4
X = -14
Ancwer
riiswer.

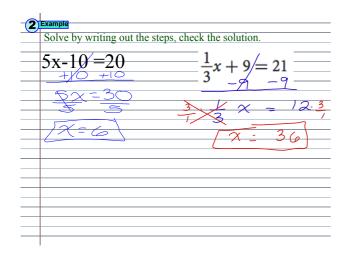
Unit 1: A.CED.1	Solve Two-Step Equations
Objective	I will be able to use properties of equality—
	to solve two step equationproblems.
	1

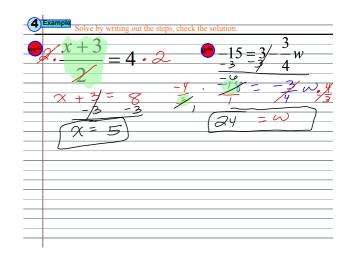
Words	Numbers	Algebi
Addition Property of Equality You can add the same number to both sides of an equation, and the statement will still be true.	3 = 3 3 + 2 = 3 + 2 5 = 5	a = b $a + c = b$
Subtraction Property of Equality You can subtract the same number from both sides of an equation, and the statement will still be true.	7 = 7 2 = 2 = 5	a = b $a - c = b$
Multiplication Property of Equality You can multiply both sides of an equation by the same number, and the statement will still be true.	3 = 3 $3 = 3$ $12 = 12$	$a = b$ $a \cdot c = b$
Division Property of Equality You can divide both sides of an equation by the same nonzero number, and the statement will still be true.	15 = 15 15 = 15 3 = 3 5 = 5	$a = b$ $\frac{a}{c} = \frac{b}{c}$ where c_{7}

Recipro		another in s	ucha way t	hat when	multiplied	d togeth
	number related to another in sucha way that when multiplied together product is 1.					
EX						
the reci	procal of	2/3 is 3/2	3	->_	-	
the mul	tiplicative	inverse			5	
of 7 is 1.						

	Solving two-step equations
Step i	Get all variable terms on one side and all numbers on the other side by using the addition property of equality.
Step 2	Get the variable alone by using the multiplication property of equality.
CHECK	Check the solution by substituting it into the original equation.

1 Example	
Solve by writing out the steps, chec	ck the solution
Solve by writing out the steps, ener	ok the solution.
2/12	
$2/\sqrt{\chi}=1/\sqrt{3}$	-4x=20
2 × 3 × 3 = = = = = = = = = = = = = = = =	-4x-20
28	
	9 9
1/2 = 18	
	X = 5
	





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