Grade Level: 8<sup>th</sup>

## Standard: 8.EE.7b

Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.

## I can:

- solve linear equations with rational number coefficients and variables on both sides of the equation.
- solve linear equations involving the distributive property.
- solve linear equations involving combining like terms.

Score	In addition to achieving level 3.0 content, the student makes in-depth inferences and applications that go beyond what was taught.		Sample Activities	
4.0			•	3x - 12) + 3x - 4 = 2(x + 2) + 3(x + 1)
	3.5	In addition to achieving level 3.0 content, the student has partial success with level 4.0 content.		
Score	The st	The student:		2(x+3) = 5x - 3 - 2x + 1
3.0	<ul> <li>shows complete understanding of solving linear equations including:         <ul> <li>rational number coefficients.</li> <li>variables on both sides of the equation.</li> </ul> </li> </ul>		•	6x - 2x + 1 - 7 = 10
		<ul> <li>combining like terms.</li> <li>the distributive property.</li> <li>word problems.</li> </ul>	•	-4(x-3) = -3x
	The st	tudent exhibits no major errors or omissions.		
	2.5	No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content.		
Score	There	are no major errors or omissions regarding the simpler details and	•	2x - 15 = 3
2.0	processes as the student:			
	solves two-step equations.			
	<ul> <li>recognizes or recalls specific terminology, such as:</li> </ul>			
	<ul> <li>solving an equation.</li> </ul>			
	performs basic processes, such as:			
	<ul> <li>combining like terms.</li> </ul>			
		<ul> <li>the distributive property.</li> </ul>		
	However, the student exhibits major errors or omissions regarding the more			
	•	complex ideas and processes.		
	1.5	Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0 content.		
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of			
	the more complex ideas and processes.			
Score 0.0	0.5	With help, a partial understanding of the 2.0 content, but not the 3.0 content.		
Score 0.0	Evenw	vith help, no understanding or skill demonstrated.		