Sample Student Self-Assessment—End-of-Unit Test Cover Page

Grade 7: End of Unit 2—Expressions Student Self-Assessment and Reflection

Directions: For student error analysis, use the following code system—Concept Error (CE), Silly Mistake (SM), Calculation Error (Calc).

7.EE.1: I can apply properties of operations as strategies to factor and expand linear expressions with rational coefficients to generate equivalent expressions.

7.EE.2: I can rewrite expressions in different forms to show how quantities are related.

Test Questions	Responses for Full Credit	Score	Cluster Score	Cluster Percent	Student Error Analysis
1	Distribute 11 into s and 9 correctly.	/1	/16		
2	Distribute $-\frac{2}{5}$ into x and 25 correctly.	/1			
3	Distribute correctly. Combine like terms. Give correct explanation.	/3			
4	Simplify expressions correctly with work. Give correct explanation.	/3			
5	Identify the correct mistake. Fix the error. Provide description of what the student did wrong.	/3			
6	Explain agreement or disagreement and why.	/2			
7	Show work. Choose correct answer. Explain why.	/3			
Student Written Reflection					

7.EE: Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

7.EE.3: I can solve real-life and mathematical problems using operations with rational numbers in any form.

7.EE.4: I can use variables to represent quantities in a real-world or mathematical problem, and construct simple equations to solve problems by reasoning about the quantities.

Test Questions	**Responses for Full Credit**	**Score**	**Cluster Score**	**Cluster Percent**	**Student Error Analysis**
8	Ryan's expression. Alex's expression. A. Correct answer. Explanation using mathematical vocabulary B. Correct answer. Explanation using mathematical vocab. C. Answer with a detailed explanation.	/8	/37		
9	A. Correct expression in simplified form. B. Correct set-up of the equation. Correct value with a label.	/3			
10	A. Correct expression including the missing sides. Expression in simplified form. B. Correct explanation that includes adding all sides together, including needing to calculate the missing sides and combining like terms. C. Correct substitution of $a = 2$ and	/6			
11	A. Correct expression. Correct value substituted for v. B. Correct answer. Detailed explanation.	/4			
12	A. Correct answer. Valid explanation. B. Correct expression. C. Correct answer with work. D. Correct answer. Valid explanation for answer. E. Correct answer. Valid explanation.	/8			
13	Subtract 5 on both sides. $x = -12$	/2			
14	Multiply by 3 on both sides. $x = 18$	/2			
15	Distribute 3 into $(x - 2)$. Add 6 to both sides. Divide both sides by 3. $x = -2$	/4			
Student Written Reflection					
Unit Test Total		/53	%		

Source for standards: National Governors Association Center for Best Practices & Council of Chief State School Officers. (2010). Common Core State Standards for mathematics. Washington, DC: Authors. Accessed at www.corestandards.org /assets/CCSSI _Math%20Standards.pdf on February 7, 2014, p. 49.