♠ TEKS: (S) = Supporting standard (R) = Readiness standard (NT) = Not tested

♦ TEKS	5.1.A	5.1.D	5.1.G	5.4.A (S)	5.4.E (S)	5.4.F (R)	5.4.G (NT)	5.4.H (R)	5.6.A (S)	5.6.B (S)
Problem(s)	3	4	9, 10	8	10	7, 9	2, 4	2-6	1	1, 3

Problem 1					
4 Meeting	3 Approaching	3 Approaching 2 Developing			
Correct response:	others. Consider assigning based on what can be dete	Some responses may show more understanding than others. Consider assigning Approaching or Developing based on what can be determined about the student's understanding when applicable Students who select 12 may have thought the prism was only 2 layers.			

Problem 2					
4 Meeting	3 Approaching	2 Developing	1 Beginning		
Both correct choices and no incorrect choices. 3 × 4 × 5 5 × 12	One correct choice and no incorrect choices. Both correct choices and one incorrect choice.	One correct choice and one incorrect choice.	Only incorrect choices. Two or more incorrect choices with some correct choices.		
	 Students who select (3+4) × 5 or 3 × 4 + 5 correctly determined the prism's dimensions and may need more support understanding the operations needed to determine the volume. 15 × 15 × 15 × 15 correctly determined there are 15 unit cubes in each of the 4 layers and may need more support understanding the operation needed to find the total. 				

Math Process Standards: Response demonstrates an understanding of multiple representations (numeric expressions) for the volume of rectangular prisms. (5.1.D)

2 Developing Response shows incomplete understanding with significant errors. E.g., Students who	1 Beginning Response shows limited understanding.
incomplete understanding with significant errors.	· ·
write 56 boxes of paper clips may have added 48 and 8 and may need support understanding the layered structure of rectangular prisms.	
	write 56 boxes of paper clips may have added 48 and 8 and may need support understanding the layered structure of

Problem 4		C	TEKS: 5.4.G, 5.4.H, 5.1.D
4 Meeting	3 Approaching	2 Developing	1 Beginning
Both correct choices and no incorrect choices. 6 × 20	One correct choice and no incorrect choices.	One correct choice and one incorrect choice.	Only incorrect choices.
4 × (5 × 6)	_	nined the expression to represe ort understanding the operation	
Math Process Standards: Response demonstrates an understanding of multiple representations (numeric expressions) for the volume of rectangular prisms. (5.1.D)			

Problem 5 EKS: 5.4.					
4 Meeting	3 Approaching 2 Developing		1 Beginning		
Correct response: 10	Some responses may show more understanding than others. Consider assigning Approaching or Developing based on what can be determined about the student's understanding when applicable. Students who select 7 may have added the length and width.		Response shows limited understanding.		

Problem 6			TEKS: 5.4.H
4 Meeting	3 Approaching	2 Developing	1 Beginning
Correct response: 1,200 cubic inches	Response shows conceptual understanding with minor errors, omissions, and/or incomplete reasoning. E.g., Students who write 1,200 square inches determined the correct numeric value and may need support with appropriate units of measure for area and volume.	Response shows incomplete understanding with significant errors. E.g., Students who write 300 inches may have thought they were finding the length of a rectangle whose area is 200 square inches and whose height is 6 inches.	Response shows limited understanding.

Problem 7	Problem 7 © TEKS: 5.4.F						
4 Meeting	3 Approaching	2 Developing	1 Beginning				
Correct response: 141	Some responses may show more understanding than others. Consider assigning Approaching or Developing based on what you can determine about the student's understanding, when applicable.		Response shows limited understanding.				
	 Students who select 138 correctly added 5 and 19 first and may need more support understanding the order of operations to multiply by 2 before subtracting 1. 84 may have multiplied 2 by 5 first and then added 19 and may need more support understanding the order of operations. 48 may have multiplied 3 by 2 first and may need more support understanding the order of operations. 						

Pro	Problem 8 © TEKS: 5.4.A							
4 Meeting			3 Approaching	2 Developing	1 Beginning			
	correct	noices and choices.	Two correct choices and one incorrect choice.	One correct choice and two incorrect choices.	Only incorrect choices.			
	Prime	Composite						
33		✓	Students who select					
47	1		33 and 47 as prime may have thought that all odd numbers are prime and may need more support understanding the difference between prime and composite					
51		1	numbers. • 51 as prime may have tho	need more support understanding the difference between prime and composite				

Problem 9			TEKS: 5.4.F, 5.1.G
4 Meeting	3 Approaching	2 Developing	1 Beginning
Correct response: Sample explanation shown. Han added 20 and 12 on Line 2, but he should have added 3 + 7 first and then multiplied by 12 before adding 20. The parentheses tell us to do those operations first. The answer is 67 stickers.	Response shows conceptual understanding with minor errors, omissions, and/or incomplete reasoning. E.g., Students describe the error correctly but may need support with using the mathematical language of the unit, e.g., order of operations or parentheses.	Response shows incomplete understanding with significant errors. E.g., Students who may arrive at the correct number of stickers, 67, but may need more support understanding the expression representation and where Han made an error in finding its value.	Response shows limited understanding.
Math Process Standards: Respective explanation of Han's error and lusing mathematical language, coperations. (5.1.G)	now he could correct his error		

4 Meeting	3 Approaching	2 Developing	1 Beginning
Correct response: Sample explanation shown. No, Han is incorrect. The order of operations is different in each expression. The parentheses in 12(3 + 7) tell us to add first. 12(10) = 120. In 12 × 3 + 7, I multiply first. 36 + 7 = 43.	Response shows conceptual understanding with minor errors, omissions, and/or incomplete reasoning. E.g., Students describe how the parentheses in the expression 12(3 + 7) indicate addition before multiplication but may need support with using the mathematical language of the unit, e.g., order of operations.	Response shows incomplete understanding with significant errors. E.g., Students write that Han is correct and describe how the expressions have the same numbers and operations but may need support understanding how the expressions show a different order of operations.	Response shows limited understanding.
Math Process Standards: Response demonstrates an understanding of how the 2 representations (numeric expressions) communicate different mathematical ideas. (5.1.D) Response includes a clear explanation of the meaning of the parentheses using mathematical language, e.g., order of operations or multiplication. (5.1.G)			