Algebra I ELL

November Extended Constructed Response (ECR) Name:

The table shows the number of loads of laundry per week by a family as a function of the number of people in the family.

Weekly Laundry Loads

Number of People in the Family	1	2	3	4	5	6
Number of Loads per Week	1.5	3	4.5	6	7.5	9

Part A:
Peter says that the function is a linear function. Explain and show your work about why Peter's statement is correct.

Part B:
Write a function rule in function notation to represent the situation.

Part C:
Find the value of f(10) of the function and interpret the meaning of f(10) in terms of context.

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Score Rubric

Part A	
Score	Description
2	Student response includes the following 2 elements. Reasoning component = 2 points * State that the function is linear because it has a constant rate of change * Showing work to support the statement
1	Student response includes 1 of 2 element
0	Student response is incorrect or irrelevant
Part B	
Score	Description
1	Student response includes the following 1 element. Modeling component = 1 points * Correct function rule to represent the situation Sample of student work: f(x) = 1.5x
0	Student response is incorrect or irrelevant
Part C	
2	Student response includes the following 2 elements. * Correct computation for finding the value of f(10) * Interpretation of f(10) in terms of context Sample of student work: f(10) = 1.5(10) = 15 Meaning: When the number of people in the family is 10, the loads of laundry per week will be 15
1	Student response includes 1 of 2 element
0	Student response is incorrect or irrelevant

Genesis Convert Table

Task Point	Genesis Score
0	55
1	59
2	69
3	79
4	89
5	100

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