Sequences quiz results

1. Use the function $f(x) = -3x + 7$ to answer the following questions.
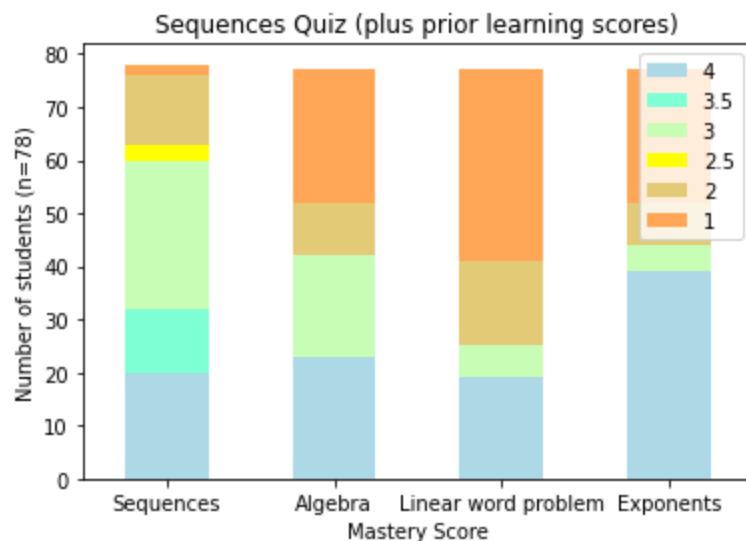
   a. What is $f(0)$? b. What is $f(\frac{1}{3})$? c. What is $f(-5)$? d. What is x when $f(x) = -20$?

2. A city bus charges \$0.25 per ride if you first buy the \$10 discount card. Let B be the total cost, in dollars, of taking n rides on the bus.

   a. Complete the table for function B for several inputs. b. Sketch a graph of the total cost B, in dollars, for the number of bus rides from 0 to 10. c. Write an equation for B as a function of n.

3. Select all the expressions that are equivalent to $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$.

   A. 2^6 B. $2 \cdot 6$ C. $(2^2)^3$ D. $2^3 + 2^3$ E. $2^2 + 2^2 + 2^2$ F. 6^2 G. $2^3 \cdot 2^3$ H. $(2^3)^2$

	Sequences	Algebra	Linear word problem	Exponents
Score				
1.0	2	25	36	25
2.0	13	10	16	8
2.5	3			
3.0	28	19	6	5
3.5	12			
4.0	20	23	19	39