

**7.** Michael made a table to predict the mass of his sandwich after each bite. He used the same mass for each bite.

**A.** What is the mass of one bite?

**B.** Predict how many bites Michael can take altogether until his sandwich is gone.

**C.** Who has the smallest bite size: Nila, John, or Michael?

**Michael's Sandwich**

<i>N</i> Number of Bites	<i>M</i> Mass of Sandwich (grams)	Ordered Pairs ( <i>N</i> , <i>M</i> )
0	163	(0, 163)
1	148	(1, 148)
2	133	(2, 133)
3	118	(3, 118)
4	103	(4, 103)
5	88	(5, 88)

**8. A.** Nila and Michael graphed the changes in the mass of their sandwich. Compare the line graphs to the function tables in Questions 4 and 7. Write “Nila” on Nila’s line and “Michael” on Michael’s line.

**B.** Compare Nila’s and Michael’s lines on the graph. What is different about them?

**C.** Grace has a 120-gram sandwich and takes bigger bites than Nila. What might a graph look like for her sandwich? Sketch a line on the graph at the right. Write “Grace” on her line.

**Sandwich Bites**

