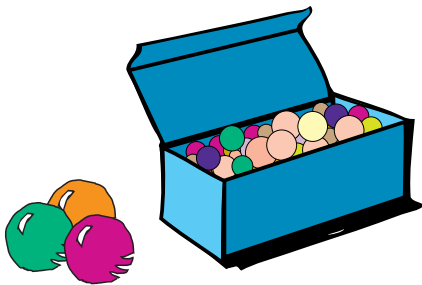




1. What information do you need to know to complete the data table?
2. Is the mass of zero marbles 0 grams? Explain.
3. Write a number sentence to show the mass of the box and zero marbles.
4. Write a number sentence to show the mass of the box and 1 marble.

Complete the data table, make a point graph, and solve the problems on the *Michael's Marbles* pages in the *Student Activity Book*.



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Student Guide

More Patterns in Data (SG p. 361)  
Questions 1–4

\*See the lesson for answers to Questions 1–4.

Student Activity Book

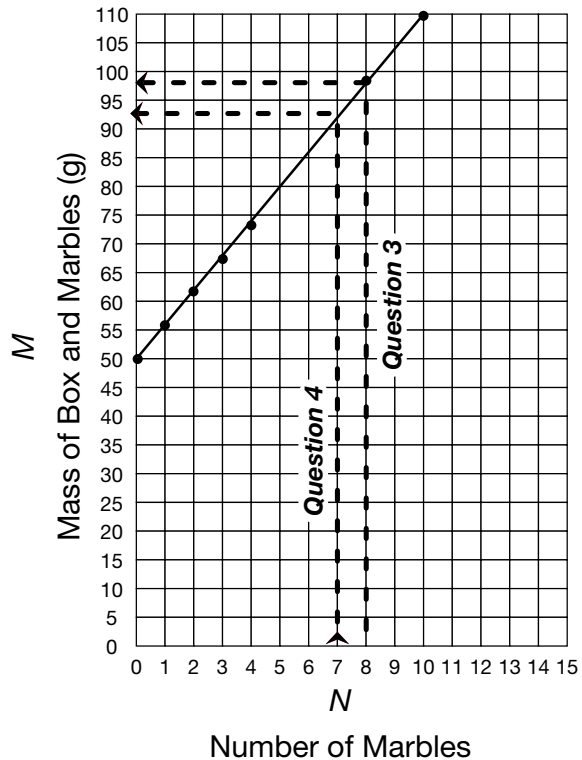
Michael's Marbles (SAB pp. 501–504)  
Questions 1–11

1.

<i>N</i> Number of Marbles	<i>M</i> Mass of Box and Marbles
0	50
1	56
2	62
3	68
4	74
8	98
10	110

2.

Box of Marbles



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Name \_\_\_\_\_ Date \_\_\_\_\_

Michael's Marbles

1. Complete Michael's data table. Each of his marbles has a mass of exactly 6 grams. The box has a mass of 50 grams.

Box of Marbles

<i>N</i> Number of Marbles	<i>M</i> Mass of Box and Marbles (in g)
0	
1	56
2	
3	68
4	
8	
	110

2. Use a sheet of *Centimeter Graph Paper* to make a graph of the marble and box data in Question 1.
  - Label the horizontal axis Number of Marbles (*N*).
  - Label the vertical axis Mass of Box and Marbles in grams (*M*).
  - Number the axes so you have enough room for the values *N* = 15 marbles and *M* = 110 grams.
  - Use a ruler to draw a best-fit line.
  - Title the graph.

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\*Answers and/or discussion are included in the lesson.

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