Lesson 1-1 Homework:

Check Your Understanding

SB-Mobile charges $20 for each gigabyte of data used on any of its smartphone plans.

11. Copy and complete the table showing the charges for data based on the number of gigabytes used.
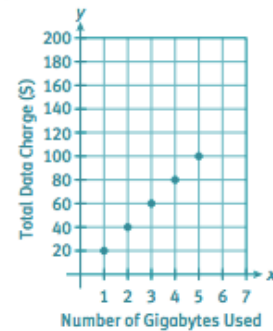
Number of Gigabytes Used	Total Data Charge
1	
2	
3	
4	
5	

12. Graph the data from the table. Be sure to label your axes.

13. Write a sequence to represent the total price of a data plan.

14. The sequence you wrote in Item 13 has a common difference. Identify the common difference.

15. Let n represent the number of gigabytes used. Write an expression that can be used to determine the total data charge for the phone plan.

16. Use your expression to calculate the total data charge if 10 gigabytes of data are used.

Answers

11.

Number of Gigabytes Used	Total Data Charge
1	$20
2	$40
3	$60
4	$80
5	$100

12.

13. 20, 40, 60, 80, …
14. $20
15. $20 + 20(n - 1)$ or $20n$
16. $200

LET'S TRACK IT!
6 correct = **4**
4 or 5 correct = **3**
3 correct = **2**
1 or 2 correct = **1**
0 correct = **0**