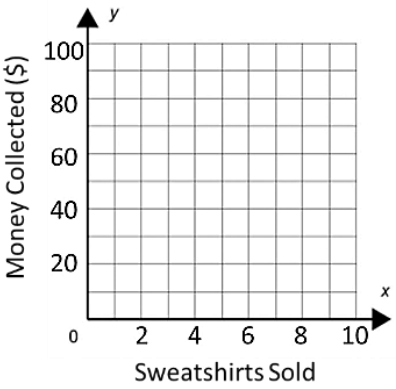
Name: _____ Date: _____ Period: _____

Ratio Tables & Graphs

Use for #1-9: Sandy Springs Foundation is selling sweatshirts as a fundraiser for the school athletic programs. Yesterday, they sold 3 sweatshirts for $60.

1. Complete the table (including the titles!) and the graph.

	1	2	3	5	8		13
						180	



2. Write the ratio of money collected for one sweatshirt. Include units in your ratio!

3. What ordered pair represents the cost of 1 sweatshirt?

4. How much money would be collected if 24 sweatshirts were sold?

5. Write the ordered pair that would represent the information for 24 sweatshirts.

6. Graph the point (4.5, 90) on the graph above. Write "DONE!!!!" once you did this.

7. Fill in the units: (4.5 _____, 90 _____).

8. Does the point (4.5, 90) make sense in this context? Explain.

_____

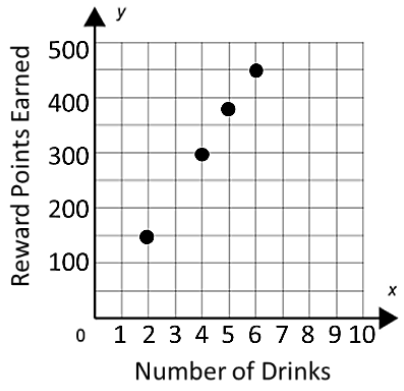
_____

_____

_____

9. North Springs High School is also selling hoodies. They made $105 when they sold 7 hoodies. Is this ratio equivalent to Sandy Springs's ratio? Show proof.

10. Starbucks issues rewards for every drink purchased. After a certain number of rewards points, you get a free drink! Use the graph and equivalent ratios to complete to the table.



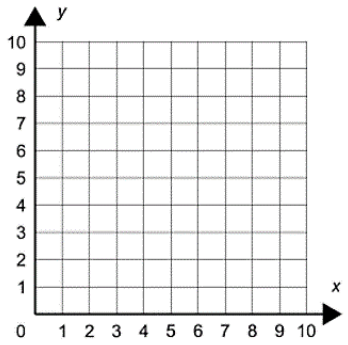
1	
2	
4	
5	
6	
10	

Use for #11-17: A chocolate chip cookie recipe uses 2 cups of sugar and 3 cups of flour.

11. Complete the ratio table below.

Cups of Sugar	Cups of Flour

12. Label the x- and y-axis on the graph to the right. Graph the relationship between the amount of sugar and flour needed.



13. Write the original ratio of sugar to flour. Use it to find how cups of flour are needed if you use 24 cups of ***sugar***.

14. Write the original ratio of sugar to flour. Use it to find how cups of sugar are needed if you use 39 cups of ***flour***.

15. A restaurant makes brownies in large batches. They used 18 cups of flour and 12 cups of sugar. Do the cookie recipe and the brownie recipe use an equivalent ratio of sugar to flour? Show proof.

16. Fill in the units: (2.5 _____,
3.75 _____)

17. The point (2.5, 3.75) is not included on the table, but would be included in the graph if you connected all of the points. Does the point (2.5, 3.75) make sense in this context? Explain.

What if? Rory accidentally added an extra cup of sugar. Oops. She now has 3 cups of sugar. How much flour will she use in her recipe to maintain the proper ratio (and the food tasting delicious)? Justify your answer using math, then explain how you found your answer.