NAME _____ DATE _____ PERIOD _____

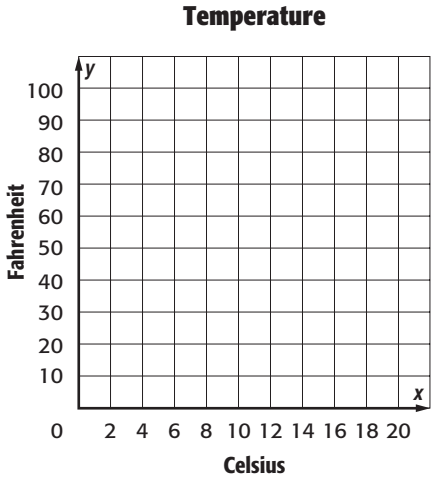
Lesson 5 Homework Practice

Graph Proportional Relationships

For Exercises 1 and 2, determine whether the relationship between the two quantities shown in each table are proportional by graphing on the coordinate plane. Explain your reasoning.

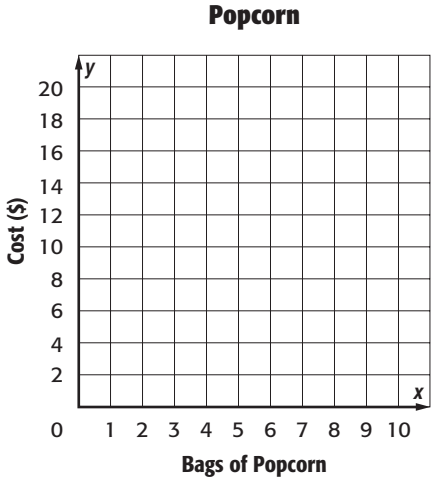
1.

Temperature (Degrees)	
Celsius	**Fahrenheit**
0	32
5	41
10	50
15	59
20	68

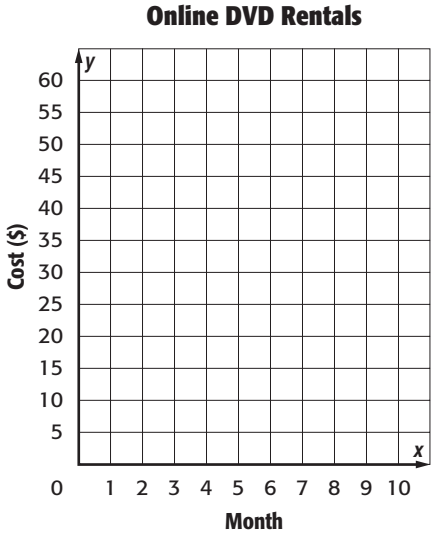


2.

Popcorn	
Bags of Popcorn	**Cost ($)**
0	0
1	4
2	8
3	12
4	16



3. **MOVIES** An online DVD rental company charges $15 a month for unlimited rentals. Determine whether the monthly cost is proportional to number of months by graphing on the coordinate plane. Explain your reasoning.

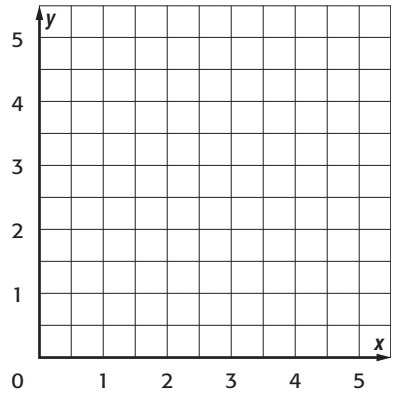


NAME _____ DATE _____ PERIOD _____

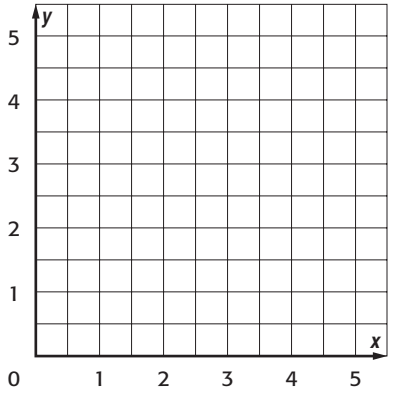
Lesson 5 Problem-Solving Practice

Graph Proportional Relationships

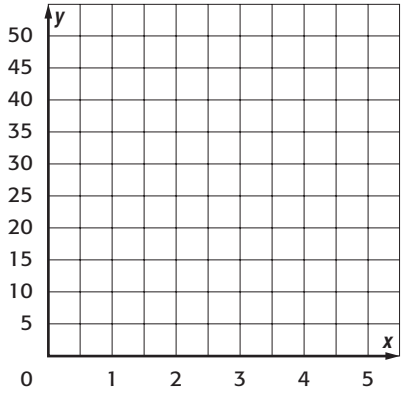
1. BAKING Rachel baked 3 cakes in 2 hours, 4 cakes in 3 hours, and 5 cakes in 4 hours. Determine whether the number of cakes baked is proportional to the number of hours.



2. RAINFALL It rained 2 inches in one hour, then after two hours, it had rained a total of 3 inches. After four hours, it had rained a total of 5 inches. Determine whether the number of inches of rainfall is proportional to the number of hours.



3. CALORIES A person can burn 8 Calories per minute of running. Determine whether the number of Calories is proportional to the number of minutes.



4. PROFIT If Stephanie sells 3 necklaces, she earns a profit of $5. If she sells 4 necklaces, her profit is $10. Five necklaces sold gives her a profit of $15 and six necklaces sold gives her a profit of $20. Determine whether the amount of profit is proportional to the number of necklaces sold.