

Lesson 5 Homework Practice

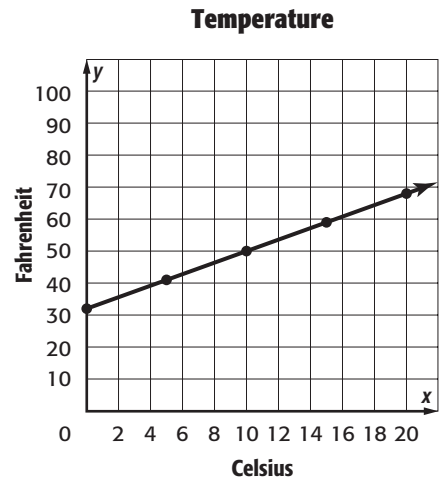
Graph Proportional Relationships

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

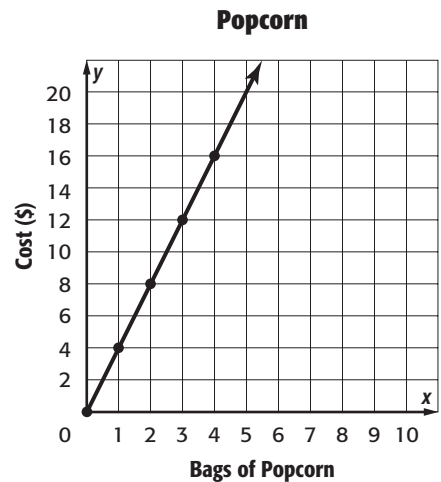
Degrees Fahrenheit is not proportional to degrees Celsius because the graph does not pass through the origin.



2.

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

The cost is proportional to the number of bags of popcorn because the graph is a straight line through the origin.



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.

The monthly cost is proportional to the number of months because the graph is a straight line through the origin.

