

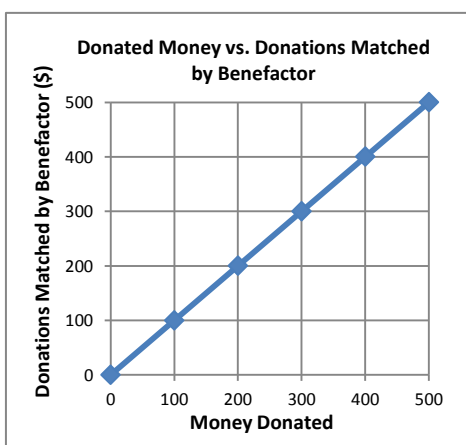
Lesson Summary

When two proportional quantities are graphed on a coordinate plane, the points appear on a line that passes through the origin.

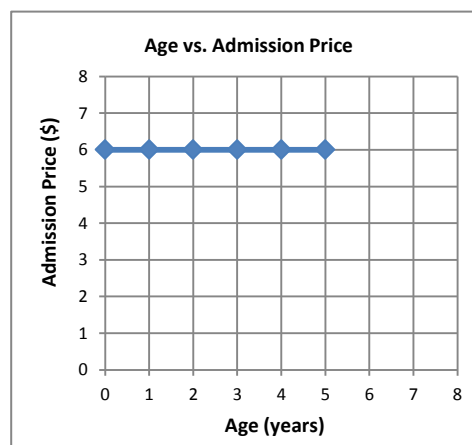
Problem Set

1. Determine whether or not the following graphs represent two quantities that are proportional to each other. Explain your reasoning.

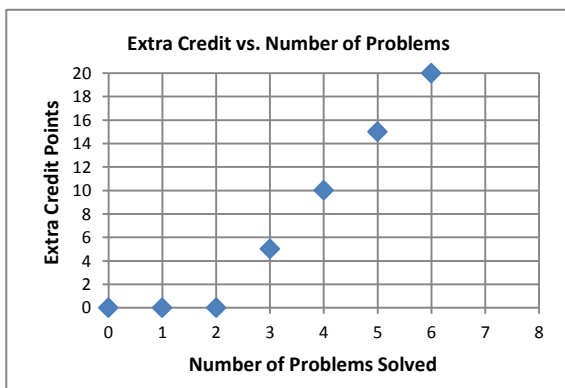
a.



b.

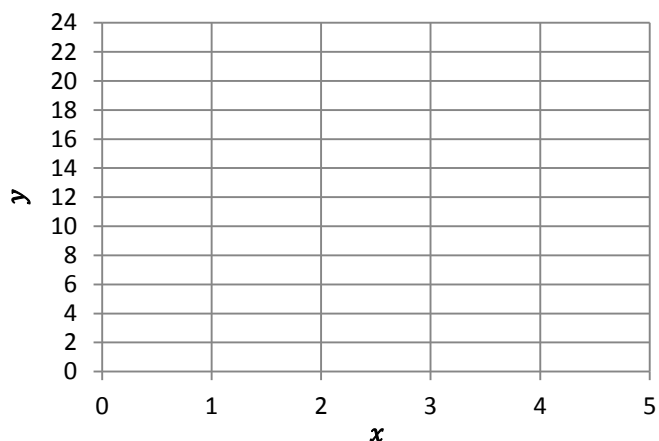


c.



2. Create a table and a graph for the ratios 2: 22, 3 to 15, and 1: 11. Does the graph show that the two quantities are proportional to each other? Explain why or why not.

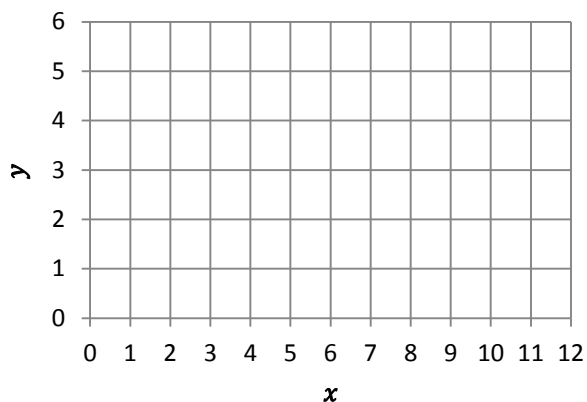
x	y



3. Graph the following tables, and identify if the two quantities are proportional to each other on the graph. Explain why or why not.

a.

x	y
3	1
6	2
9	3
12	4



b.

x	y
1	4
2	5
3	6
4	7

