

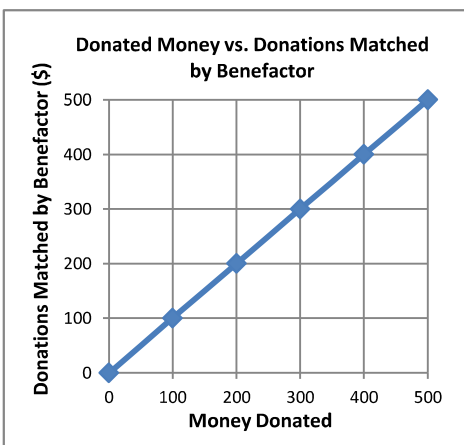
**Lesson Summary**

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

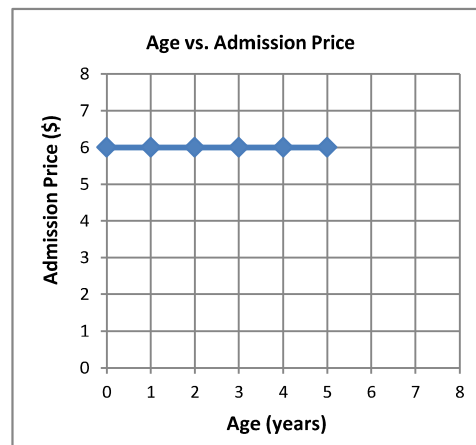
**Problem Set**

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

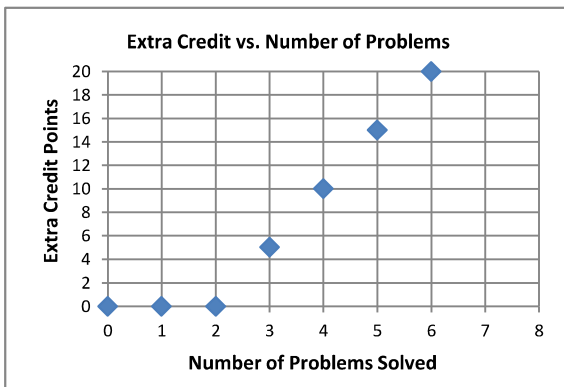
a.



b.

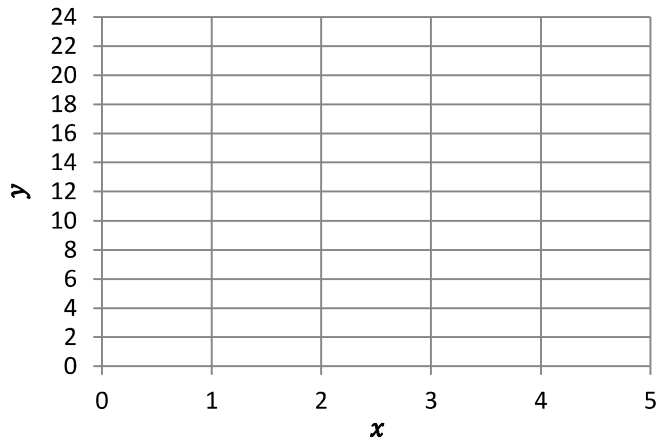


c.



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.

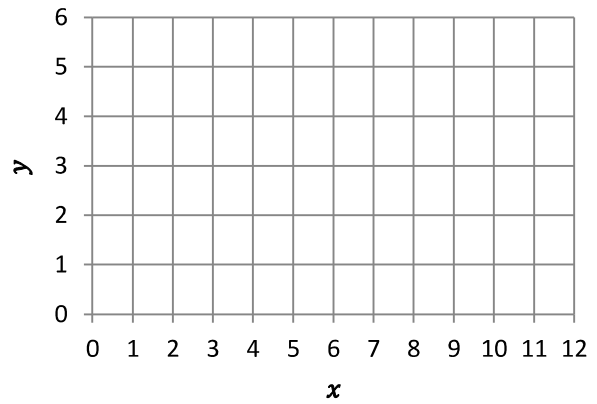
$x$	$y$



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

