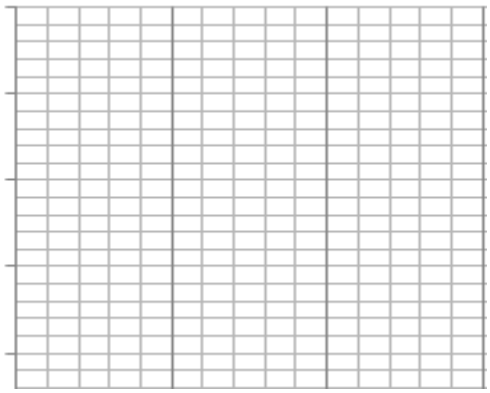
Lesson 6: Identifying Proportional and Non-Proportional Relationships in Graphs

Today's activity is an extension of Lesson 5. You will be working in groups to table, graph and identify whether or not the two quantities are proportional to each other.

Classwork

Poster Layout

Use for notes

Problem	Table
Graph 	Proportional or not? Explain.

Gallery Walk: Take notes and answer the following questions:

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Poster 1:

Poster 2:

Poster 3:

Poster 4:

Lesson Summary:

Graphs of Proportional Relationships: The graph of two quantities that are proportional fall on a straight line that passes through the origin.

Note about Lesson Summary

Problem Set

1. Sally's aunt put money in a savings account for her on the day Sally was born. The savings account pays interest for keeping her money in the bank. The ratios below represent years to amount of money in her savings account.
   - After one year, the interest had accumulated and the total was $312 in Sally's account.
   - After three years, the total was $340. After six years, the total was $380.
   - After nine years, the total was $430. After 12 years, the total amount in Sally's savings account was $480.

   Using the same four-fold method from class, create a table then graph and determine whether the amount of money accumulated and time elapsed are proportional to each other or not. Use your table and graph to support your reasoning.