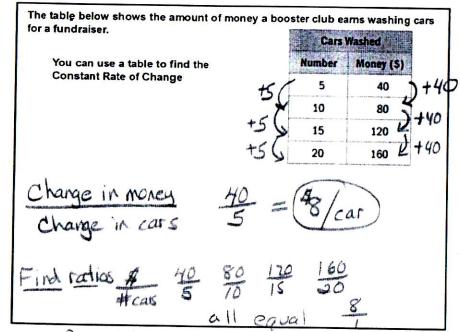
Accelerated Math Notes (from Math 7 textbook Section 1.7 and 1.8) Constant Rate of Change and Slope

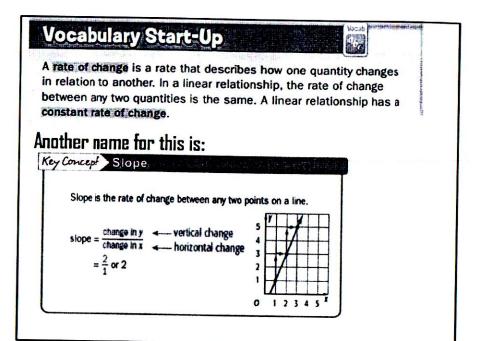
A rate of change is a rate that describes how one quantity changes in relation to another. When a relationship is linear (forms a straight line), it has a constant rate of change.

This change can be found by using a table or a graph. On a graph, this change is also known as the Slope of a line.

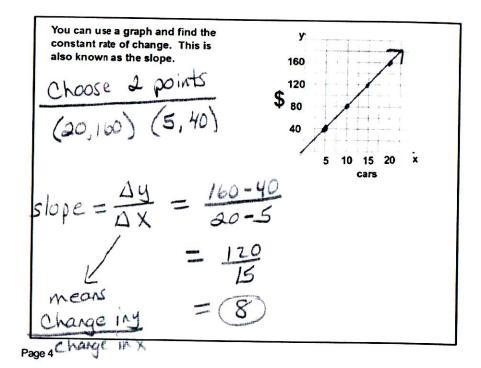
Page 1

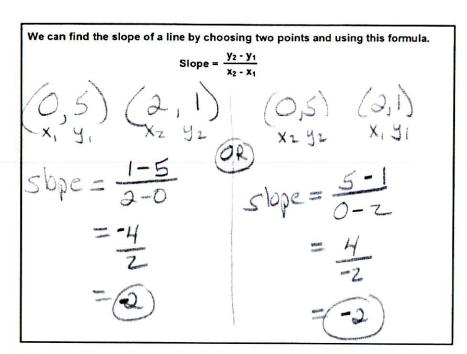


Pages Proportional since cost per car always the same

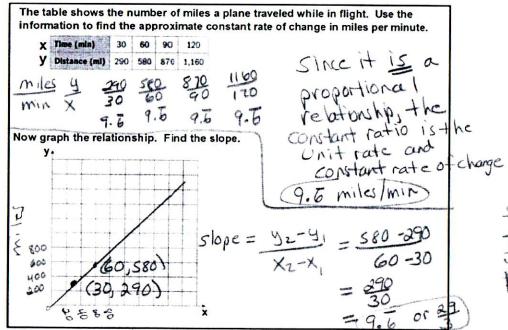


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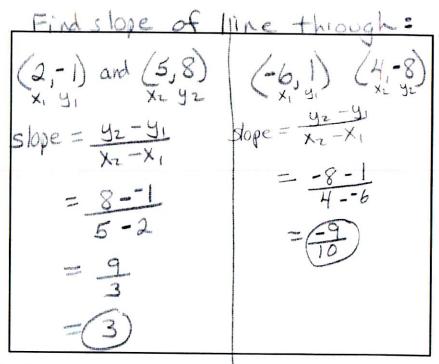




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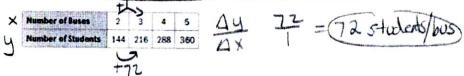
minutes Page 7



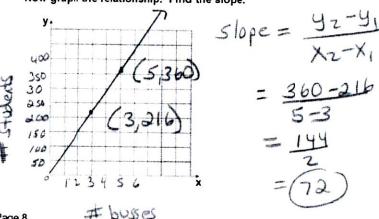
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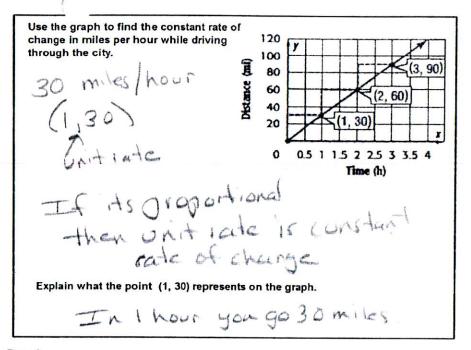
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The table shows the number of students that buses can transport. Use the table to find the constant rate of change in students per school bus.

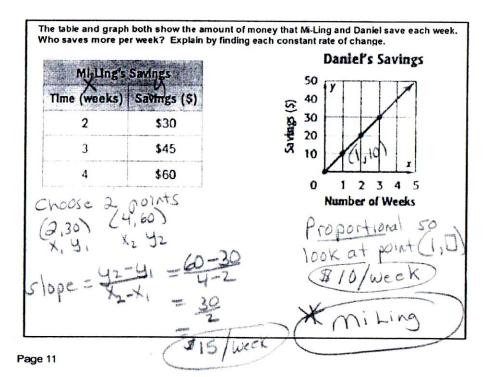


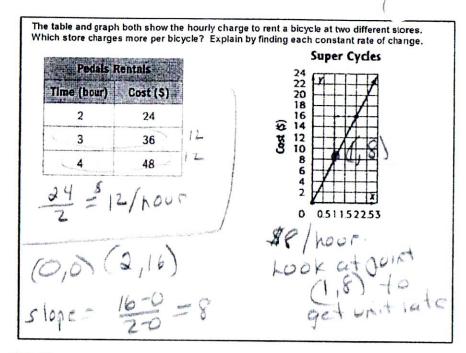
Now graph the relationship. Find the slope.



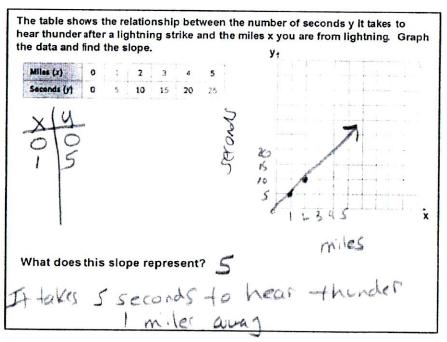


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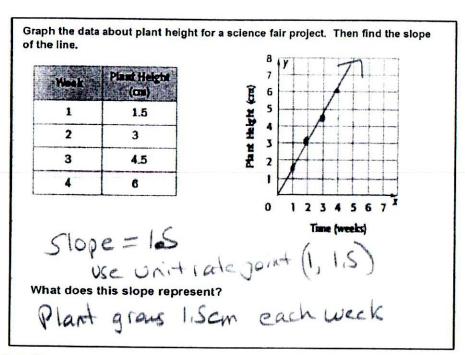




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