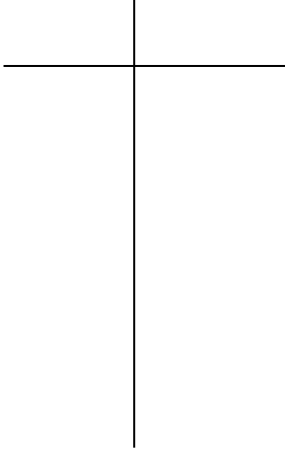
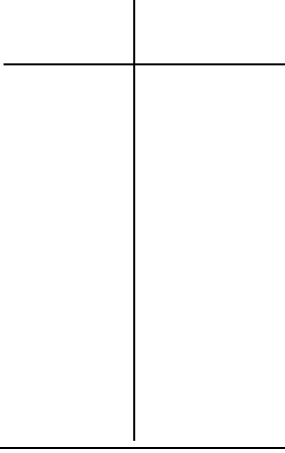
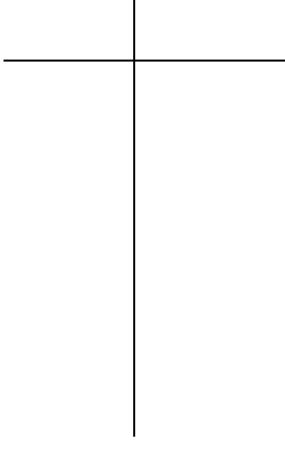


Group #

Linear Relationships: Moving between Tables and Words

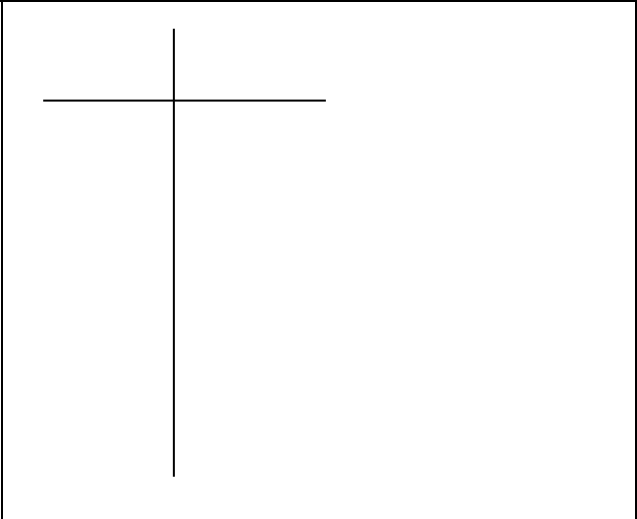
For each word problem below, make a table to represent the situation. Then, identify the rate of change and the starting point.

<i>Word Problem</i>	<i>Table Representation</i>
<p>1. An airplane 30,000 feet above the ground begins descending at the rate of 2000 feet per minute. Assume the plane continues at the same rate of descent. The plane's height and minutes above the ground are related to each other.</p>	
<p>2. Suppose you receive \$100 for a graduation present, and you deposit it in a savings account. Then each week thereafter, you add \$5 to the account but no interest is earned. The amount in the account is a function of the number of weeks that have passed.</p>	
<p>3. Marty is spending money at the average rate of \$3 per day. After 14 days he has \$68 left. The amount left depends on the number of days that have passed.</p>	

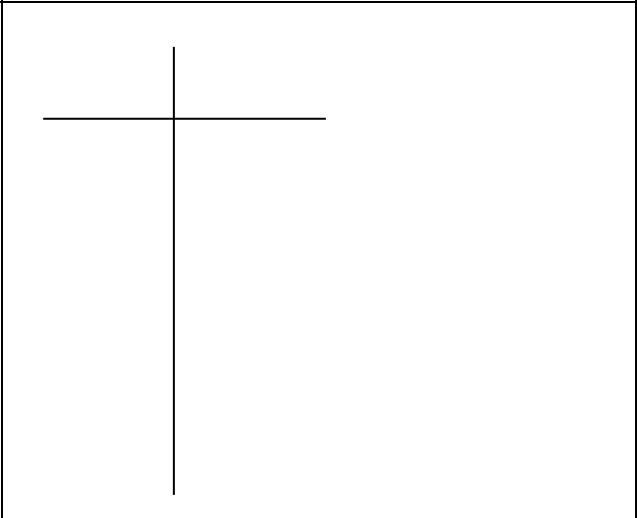
Group #

Name: _____
Date: _____ Period: _____

4. Diane knows a phone call to a friend costs 25 cents for the first 3 minutes and 10 cents for each additional minute. The number of minutes you call and the cost of the call are related.



5. Nick is given \$50 to spend on a vacation . He decides to spend \$5 a day. The amount Nick has left and the number of days are related.



6. A plane loses altitude at the rate of 5 meters per second. It begins with an altitude of 8500 meters. The plane's altitude is a function of the number of seconds that pass.

