



## Math N06: Essential Mathematics Hands-On Activity

Title	How many miles to....
Topic	Proportions
Introduction	By using a map and a ledger on the map, the student will use a proportion to calculate how many actual miles from one destination to another.
Materials	<p>Ruler, map</p> <ul style="list-style-type: none"> <li>The maps can be found as a class set in the file drawer of the manipulative area. Ask Debbie or Nadine in U-84 where they are when in doubt.</li> <li>There is a class set of rulers in the manipulative area.</li> </ul>
Time Required	< 30 minutes
Set Up	Each student is to have a map with a ledger, e.g., 1 inch is 300 miles, and a ruler. This can be an individual activity or in groups.
Directions	Have each student measure how many inches from the first destination to the second destination. The student will set up a proportion and calculate how many actual miles. (See attached worksheet)
Follow Up/Discussion Questions	<ul style="list-style-type: none"> <li>You could have the students predict how many miles from the first destination to the second and have them compare their results during the activity.</li> </ul>
Notes/Observations	Be sure to show an example so that they have a clear idea what is expected. You can also have a map in the classroom and have each student measure with a yard stick or use a transparency. Feel free to use any map- the world, nation, state, etc. You can also use a group setting, e.g., small groups of 3, one group with volunteers.