Indiana Map Questing

**Directions:** Download or use an Indiana roadmap to determine the approximate distance and mileage between two counties. Downloadable maps at [www.IndianaMap.com](http://www.IndianaMap.com).

1. In what city and county are you currently located?
2. What is the name of the city and county you would like to visit?

Maps show places drawn to scale since it would be impossible to create a map that is actual size. Maps are scaled differently based on the purpose of the map. A large-scale map shows details of a smaller area while a small-scale maps shows a larger area with less detail. Regardless of the type of map, a map scale is used to tell you the actual size of an area on a map.

A map scale uses a unit of measurement to show the real distance. For example, 1 cm could equal 5 miles on a map so if the distance between two counties is 4.5 cm the actual distance is 22.5 miles.

Find the map scale on the roadmap. It will look similar to the following image.

Use the edge of a paper, ruler, or your finger as a benchmark to determine the distance between two places based on the map scale.

For example, your index finger could equal 1 cm, so using your finger count how many finger lengths point A is from point B.

<table>
<thead>
<tr>
<th>Tool</th>
<th>Scale Ratio</th>
<th>Calculations</th>
<th>Actual Distance</th>
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</thead>
<tbody>
<tr>
<td>(Ruler, Edge of Paper, &amp; Finger Benchmark)</td>
<td>1 finger = 5 miles</td>
<td></td>
<td></td>
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0 5 10 15 20 20 miles

0 10 20 30 kilometers