

Physical Science
Using a Map Scale

Name: _____ Block: ____

On the Google map of the Midwest, one millimeter is the same as four kilometers. Using this scale, measure and compute the following distances. Start by making sure you get the same answers as the first row shown. Note that for some, you need to use a number of different roads!

	mm On The Map	km In Real Life	miles In Real Life
Columbia to St. Peters via I-70	38	152	94
Columbia to Independence via I-70			
St.Peters to Independence via I-70			
Iowa City to Newton via I-80			
Columbia to Des Moines via I-70, I-35, and I-80			
Columbia to Des Moines via Kirksville, Ottumwa, and Oskaloosa			
Columbia to Des Moines by helicopter			
Chicago to Independence via St. Louis			
Chicago to Independence via Davenport and Des Moines			
Chicago to Independence via helicopter			

Extra Credit:

1. Find the shortest route from Chicago to Independence using only the roads shown. Mark it clearly on the map using only straight lines, and list on the back of this sheet all the lengths of these lines (in mm) in order starting at Chicago (in mm) of each of your straight lines. Compute the total in km and miles below:

2. Name all of the states shown on the map.