



Adelicia's European Tour

Lesson Overview

This lesson uses map skills, math, and technology to calculate how many miles and kilometers Adelicia traveled while in Italy and Switzerland on her Grand Tour. This lesson can be used as a stand-alone lesson or as a pre/post visit activity if your students have visited Belmont Mansion. *Recommended for grade 4.*

Standards

Grade 4 – Tennessee Standard Measurement and Data

Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

Objectives

Students will use math (addition, multiplication and division) and geography skills to calculate the number of miles and kilometers Adelicia traveled while on her Grand Tour.

Time Required

45- 60 minutes

Materials & Resources

- Adelicia's European Tour worksheet (attached)
- Ruler
- Internet Access
- Map of Italy (attached)
- Map of US (optional for extension)

Lesson Procedure

1. Ask the students to write a paragraph about a trip they took. Where did they go? What did they see? How long was their trip and how long did it take to get there?
2. Explain that Adelicia traveled on a tour of Europe. Explain that a "tour" is what we now call a vacation.
3. Show the students the map of Italy. Have them use a ruler to measure the distance between selected cities from Adelicia's tour using the map scale to convert the distance they find to its full scale equivalent. After they have found the distance they believed Adelicia traveled in kilometers, have them use the formula on the worksheet to convert the kilometers to miles.
4. Now that they have found the measured distances, have students use a distance calculator to discover the exact distance between the cities. There are several other good distance calculators students can use if they search for distance calculators including

<http://www.distance-cities.com/> which calculate flight distance. Of course Adelia did not take flights on her tour!

5. Add up all the destinations to get a final total of miles travel. How did their measurements compare?
6. Have students calculate the total meters traveled based on the total kilometers from the last column in the worksheet.
7. Have students plan their own Grand Tour through America. Using either the map attached or another map, have them pick seven different locations and measure the distance between the locations just like they did before. Answers can be written on the attached blank worksheet.

Extensions

- Students can choose a city that Adelia traveled to. They can create a travel journal (what she saw, what she did) they can research the cities that she visited and create a slide show, brochure, or persuasive writing.
- Have them figure out averaging 55 miles per hour in a car, how long would her trip take to drive if she were driving it today.

Evaluation

Evaluate students based on their answers to the distances between cities as measured online and their math performed based on this research.

City	Miles	Kilometers
Naples, Italy and Rome Italy	177	283
Rome, Italy and Florence, Italy	144	230
Florence, Italy and Venice, Italy	127	203
Venice, Italy and Milan, Italy	152	243
Milan, Italy and Geneva, Switzerland	155	248
Geneva, Switzerland and Basel, Switzerland	116	186
Total	871	1,393

Adelia's European Tour, 1865-1866 – distances based on <http://www.distance-cities.com/>



Name: _____ Date: _____

Adelicia's European Tour

Using the map of Italy, its key, and a ruler, estimate the distance in kilometers between the following cities Adelicia visited while in Italy on her Grand Tour. Then convert the kilometers to miles. To find the exact miles, use the following website <http://www.distance-cities.com/> then convert the exact miles back to kilometers to check your original measured answers.

(There are 1.6 kilometers in a mile so to convert kilometers to miles divide the kilometers by 1.6. To convert miles to kilometers multiply the miles by 1.6.)

Cities	Measured Kilometers	Calculated Miles	Exact miles	Calculated Kilometers using exact miles
1. Naples, Italy and Rome, Italy				
2. Rome, Italy and Florence, Italy				
3. Florence, Italy and Venice, Italy				
4. Venice, Italy and Milan, Italy				
5. Milan, Italy and Geneva, Switzerland				
6. Geneva, Switzerland and Basel, Switzerland				
7. Total				

How many total meters did Adelicia travel?

Name: _____ Date: _____

My American Tour

Using a map of the US showing major cities and locations (including a measurement key), plot your own Grand Tour between seven different locations. First measure the kilometers using the map key, then convert them to miles. Next use the following website <http://www.distance-cities.com/> to find the exact miles and convert them back to kilometers.

(There are 1.6 kilometers in a mile so to convert kilometers to miles divide the kilometers by 1.6. To convert miles to kilometers multiply the miles by 1.6.)

Cities	Measured Kilometers	Calculated Miles	Exact miles	Calculated Kilometers using exact miles
1.				
2.				
3.				
4.				
5.				
6.				
7. Total				

How many total meters did you travel?



If interested in adding your own editions to this lesson plan, we have included the entire Grand Tour schedule with mileage here.

City	Miles	Kilometers
New York, NY, USA and Liverpool, England	3,312	5,2995
Liverpool, England and London, England	178	285
London, England and Paris, France	214	343
Paris, France and Rome, Italy	688	1,101
Rome, Italy and Naples, Italy	177	283
Naples, Italy and Rome Italy	177	283
Rome, Italy and Florence, Italy	144	230
Florence, Italy and Venice, Italy	127	203
Venice, Italy and Milan, Italy	152	243
Milan, Italy and Geneva, Switzerland	155	248
Geneva, Switzerland and Vernier, Switzerland	2	3
Vernier, Switzerland and Basel, Switzerland	117	187
Basel, Switzerland and Strasbourg, France	71	114
Strasbourg, France and Paris, France	247	395
Paris, France and Liverpool, England	391	626
Liverpool, England and New York, NY, USA	3,312	5,299
Total	9,464	