



LESSON PLAN

Math Around the World

Topic: **Calculating Distance and Travel Times**
Subject: **Math**

Grade Level: **High School**
Time: **50 minutes**

OBJECTIVE(S):

Students will learn about the distance between their home community and the six deployment countries now featured on the MilitaryKidsConnect.org website, and will calculate the time it would take to travel to those countries.

MATERIALS NEEDED:

- *Where Are You Going?* section of the MilitaryKidsConnect.org website
- "Distance and Transportation Calculation Worksheet"
- Go to "Related Materials" in on-line version of this lesson plan to access all required links: www.militarykidsconnect.org/p/lp/high

OTHER RESOURCES REQUIRED:

- Computer with classroom display and Internet access
- Computers or other reference materials

LESSON

Suggested Activity Set-up and Discussion (3 minutes)

- Teacher accesses the *Where Are You Going?* Teens home page on MilitaryKidsConnect.org, which has an interactive map with the six deployment countries identified.
- Explain to students that within the *Where Are You Going?* activity, MilitaryKidsConnect.org features some of the countries to which members of our military services might be deployed: Afghanistan, Djibouti, Iraq, Panama, Philippines, and South Korea.

Small-Group Activity (45 minutes)

- Divide class into six small groups (one for each country)
- Distribute the "Distance and Transportation Calculation Worksheet"
- Instruct students that:
 - Each group will be assigned a deployment country.
 - The group will research the necessary information to complete the "Distance and Transportation Calculation Worksheet."

Tips

- The *Where Are You Going?* Activity on the MilitaryKidsConnect.org website can help inform students but does not include enough information to complete the worksheet.
- If students finish early, they can explore the MilitaryKidsConnect.org website and/or conduct additional research about the U.S. military mission in the deployment country.

WORKSHEET

Distance and Transportation Calculation

Student Names: _____

Deployment country: _____

Distance between your community and the deployment country: _____

Transportation Questions:

Directions: For calculations, include such factors as the speed of the mode of transportation, whether there is a direct route (i.e., a nonstop flight) or stops must be made, and anything else you find that might be relevant. Provide a sample itinerary that shows the date and time you would leave the United States, and the date and time you would arrive in the deployment country. Show your work. Use another sheet of paper if necessary.

Can you travel there by plane? _____ If yes, calculate how long it would take to get there:

Can you travel there by ship? _____ If yes, calculate how long it would take to get there:

Can you travel there by train? _____ If yes, calculate how long it would take to get there:

Can you travel there by automobile? _____ If yes, calculate how long it would take to get there:

Bonus Question:

Is it necessary to take more than one mode of transportation to get there? _____ If so, describe the process and calculate the time it would take to travel there: