



LEVEL: Middle School (Grades 6th- 8th)

DURATION: 30-45 minutes

LESSON: Graphing

Objectives: Students will compare the number of orphans in other countries to the number of orphans in the United States using a bar graph.

Procedures:

1. Teachers ask students, "What would happen if a disease wiped out all adults on the U.S. West Coast? Let the students come up with ideas. Explain to them that there would be a lot of children without parents. These children would be known as orphans.
2. As a class, list different ways children can become orphans.
 - Death
 - Parents can't take care of them
 - Natural disasters
 - Etc.
3. Give students the following statistic:
 - There are 12,000,000 orphans in Sub-Saharan Africa due to their parents dying of HIV/AIDS. This is the same amount of children that live on the entire West Coast (California, Oregon, Washington).
4. Discuss that even though there are many reasons why children become orphans, HIV/AIDS is the most common reason worldwide.
 - In 2003, 2.9 million people died of it and 4.8 million people were infected with it.
 - There are an estimated 37.8 million adults living with it today.
 - Sub-Sahara Africa is the most affected region.
5. Explain that though Sub-Saharan Africa is the leading region of HIV/AIDS orphans, Asia has the most orphans due to all causes (87.6 million)
6. Explain that they are going to use a line graph and a bar graph to confirm how fortunate we are in the United States compared to other countries. Use the attached sheets to draw the graphs.

Name _____

Date _____

Use the following information to construct a bar graph.

All information has been estimated.

	Asia	Latin America/ Caribbean	Sub-Saharan Africa	United States
# of Orphans in 2003	88,000,000	12,000,000	43,000,000	4,000,000

Title _____



*All information was collected from www.Unicef.org and www.kidscount.org

Name _____

Date _____

Use the following information to construct a bar graph.

All information has been estimated.

	Asia	Latin America/ Caribbean	Sub-Saharan Africa	United States
2000	90,000,000	13,000,000	39,000,000	5,000,000
2003	88,000,000	12,000,000	43,000,000	4,000,000

Title _____



**All information was collected from www.Unicef.org and www.kidscount.org*