Student Resource 9.6

Graphing: Creating a Visual Picture of Malnutrition

Student Names:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_

Directions: Follow the instructions below to create graphs that give a visual picture of malnutrition. Your graphs should help the reader quickly understand what the major issues are and which regions are most at risk. You may wish to refer to your Lesson 2 notes on creating graphs using Excel.

Graph 1: Prevalence of Child Malnutrition (Percent Underweight Under the Age of 5)

The chart below provides information from 2005–2012 from the Kaiser Family Foundation about underweight children in countries where malnutrition is a major issue.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Timor Leste | Niger | Pakistan | India | Bangladesh | Somalia |
| Percent of underweight children | 45.3% | 39.9% | 30.9% | 43.5% | 41.3% | 32.8% |

1. Decide what type of chart or graph (such as a pie chart, bar graph, or line graph) is the best choice to display the information.
2. Remember to give your graph a title and labels.
3. When you have finished creating your chart or graph, compare the information in your graph with the data given above. Make sure that the information is correct and that your graph is easy to interpret.

Graph 2: Malnourished Children

The purpose of this graph is to show where the majority of malnourished children live.

Read the statement below, and then follow the instructions to construct your graph:

In 2010, 70% of malnourished children lived in Asia, 26% in Africa, and 4% in Latin America and the Caribbean.

1. Decide what type of chart or graph is the best choice to depict the information given in the statement.
2. Remember to give your graph a title, and make sure all of the information is clear.
3. When you have finished creating your chart or graph, compare the information in it to the information given in the statement above. Make sure that the information is correct and that your graph is easy to interpret.

Graph 3: Deaths Related to Vitamin A Deficiency (Children Under Age 5)

The purpose of this graph is to compare by region the deaths related to vitamin A deficiency in 2001 in children under 5 years of age.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | East Asia and Pacific | Europe and Central Asia | Latin America and the Caribbean | Middle East and North Africa | South Asia | Sub-Saharan Africa |
| Deaths related to vitamin A deficiency in children under 5 years of age | 11,000 | 0 | 5,000 | 70,000 | 157,000 | 383,000 |

1. Decide what type of chart or graph (such as a pie chart, bar graph, or line graph) is the best choice to display the information. Look at the numbers in this data, and determine what would be the best scale to use.
2. Remember to give your graph a title and labels.
3. When you have finished creating your chart or graph, compare the information in your graph to the data given above. Make sure that the information is correct and that your graph is easy to interpret.