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| LMS World Expo  Exploración de un país  Food Security | Nombre \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Clase/hora \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Fecha \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Goal:** Create an infographic regarding the Food Security of your country.

Instructions: Read and follow the instructions below to complete the information regarding your country.

**Definition**

Food Security is exists when all people, at all times, have *availability* (physical and sufficient) and *affordability* (economic) to *quality*, (safe and nutritious) food to meet their dietary needs and food preferences for an active and healthy life.

**Issues you will explore**

You will be using the following terms to explore the issues of food security of your country.

Affordability - The ability of people to purchase food (comparing price with income)

Availability – How easy it is to produce and access food (agriculture, transportation, markets)

Quality and Safety – How nutritious is the average diet and how safe it the food.

**NOTE:** Information about Cuba is difficult to find as it is a communist country and much of the data for the country is unavailable. We will have to modify your exploration in comparison to other countries.

**GLOBAL SCORES**

You will only be able to get the global ranking for Cuba by getting an average. Do the following:

1. Go to: <http://www.fao.org/hunger/en/#jfmulticontent_c130584-2> and look at the map and write the percentage Cuba falls into for ‘undernourished’ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Write the names of three other countries that fall into the same percentage category as Cuba: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Now go to *foodsecurityindex.eiu.com* and click on **Key Findings** and then **Country Rankings** and find the rankings for the three countries you wrote in number one.

|  |  |
| --- | --- |
| Country | Ranking |
|  |  |
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1. Add the rankings of the three countries and divide by 3 to find the average ranking. This will be your ranking for Cuba. Write it here: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You will not be able to get overall scores for Availability, Affordability nor Quality BUT, in general, Cuba has high scores because the government controls the food growth, distribution and cost of food. So for Availability, Affordability and Quality, Cuba would score high at approximately 20.

To answer the following questions, you will have to do the rest of the worksheet and come back to these and *based on the information you discover*, write what you think these answers should be.

1. Has your country’s food security increased or decreased in the past four years?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. By what percent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. What are the top two strengths for your country in Food Security?

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1. What are two of the challenges for your country in Food Security?

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**SPECIFIC DATA**

You first are going to find out general information about the world using the data for the United States as a base.

1. Go to Click on **Affordability** and then on **food consumption as a share of household income**. Look at the bar graph on the bottom of the white box to the right of the arrow. Look at the number to the right of the bar representing your country and look below it for the world average. This number is the percentage of income an average household must spend on food.

🡪What is the world average a household spends on food? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Now click on **Quality and Safety** and then click on **percentage of population with access to potable water**. Look at the bar graph on the bottom of the white box to the right of the arrow. Look at the number to the right of the bar representing your country and look below it for the world average. This number is the percentage of people who have access to potable water.

🡪What world average of access to potable water in your country? \_\_\_\_\_\_\_\_

1. Now click on **Quality and Safety** and then click on **diet diversification**. Look at the bar graph on the bottom of the white box to the right of the arrow. Look at the number to the right of the bar representing your country. This number is the percentage of diversity of food (fruits, vegetables, starches, protein) available to people. Look at the number to the right of the bar representing your country and look below it for the world average. This number is the percentage diversity in food.

🡪 What is the world average of diversity in food availability? \_\_\_\_\_\_\_\_

**Affordability**

Because Cuba rations their food the average household cost in Cuba is vastly different from the rest of the world.

GO to: <https://en.wikipedia.org/wiki/Rationing_in_Cuba> and read the introduction and the Overview and answer: What system does the government guarantee food for all of its citizens? How does it work?

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In the same article, scroll down and look at the chart of rations and answer: What kinds, amounts and cost of food each citizen gets per month? Look below the chart on the website and read about meat. How much meat is available to the average person. Add this to your chart

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| --- | --- | --- |
| Food | Amount | Cost |
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|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  | Total Cost --------------🡪 |  |
| meat |  |  |

Add up what it would cost a month to buy the food rations and answer: What is the total monthly cost for food per person in Cuba? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Availability**

Go to: <https://en.wikipedia.org/wiki/List_of_countries_by_food_energy_intake> and find out the average Kcal intake for a person in Cuba. Write it here: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Go to: <http://chartsbin.com/view/1150> and find Cuba in the chart. Has Cuba’s calorie intake increased of decreased over the years? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Security**

1. Look at the chart you created above for food rationing. Knowing that the average Cuban has easy access to fruits and vegetables in the open market at low prices (these products are not rationed) and looking at the quantity available to each person per month of rationed items: Does an average person get a diverse diet (a variety of fruits, vegetables), starches (rice, potatoes, bread/grain) and proteins (beans, nuts and meat) on a *daily basis*? What do they get enough of? To little of?

|  |  |
| --- | --- |
| Sufficient | Lacking |
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1. Go to: <https://en.wikipedia.org/wiki/Water_supply_and_sanitation_in_Cuba> and read the introduction and the paragraph labeled ‘Access’ and answer this question:

* What percentage of Cuban citizens have access to potable water? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Now go back to the beginning of this worksheet and answer the questions at the bottom of the first page.