

If the World Were 100 People**Math MYP 1 Criterion C**

Achievement level	Level descriptor	Task Specific
0	The student does not reach a standard described by any of the descriptors below.	Task not done or fails to follow the directions.
1-2	The student is able to: i. use limited mathematical language ii. use limited forms of mathematical representation to present information iii. communicate through lines of reasoning that are difficult to understand.	i. Uses mathematical terms of ratio, proportion, percent, and fraction. ii. Writes each number as ratio, fraction, decimal, and percent. Many incorrect mathematical calculations. May be missing more than one form. ii. Little or no work is shown. May or may not tell how many people in the total world population based on ratio. iv. Work is messy and disorganized. Requires extra effort to read.
3-4	The student is able to: i. use some appropriate mathematical language ii. use different forms of mathematical representation to present information adequately iii. communicate through lines of reasoning that are able to be understood, although these are not always coherent iv. adequately organize information using a logical structure.	i. Uses mathematical terms of ratio, proportion, percent, and fraction. ii. Writes each number as ratio, fraction, decimal, and percent. Some mathematical calculations are correct . May be missing one form. ii. Some work is shown. Tells how many people in the total world population based on ratio. iv. Work is slightly messy and requires extra effort to read.
5-6	The student is able to: i. usually use appropriate mathematical language ii. usually use different forms of mathematical representation to present Information correctly iii. communicate through lines of reasoning that are usually coherent iv. present work that is usually organized using a logical structure.	i. Uses mathematical terms of ratio, proportion, percent, and fraction. ii. Writes each number as ratio, fraction, decimal, and percent. Most mathematical calculations are correct . May be missing one form. ii. Most work is shown. Explains meaning of ratio and how many people in the total world population based on ratio. iv. Work is neatly done and easy to read.
7-8	The student is able to: i. consistently use appropriate mathematical language ii. consistently use different forms of mathematical representation to present information correctly iii. communicate clearly through coherent lines of reasoning iv. present work that is consistently organized using a logical structure.	i. Uses mathematical terms of ratio, proportion, percent, and fraction. ii. Writes each number as ratio, fraction, decimal, and percent. All mathematical calculations are correct . iii. All work is shown. Clearly explains meaning of ratio and how many people in the total world population based on ratio. iv. Work is neatly done and easy to read. Graphics are used to enhance the reader's understanding.

If the World Were 100 People**MYP 1 Criterion C****Objective 1:**

Create a poster presentation to demonstrate your understanding of ratios, decimals, fractions, and percents using a fact from the video, "If the world were 100 people."

Poster Presentation:

Choose a fact presented in the video.

1. Write selected fact.
2. Write the fact as a ratio, decimal, fraction (in simplest terms), percent.
3. Explain what this ratio means (*for every.....*)
4. Set up a proportion to determine the amount of people for your fact, based on total world population of 7.6 billion (7,600,000,000).
5. Show all calculations. **You may use a calculator.**
6. Use an 11 x 17 piece of paper (provided by teacher) for the poster. All information should be neatly displayed and easy to read. Include a graphic.

Objective 2:

Research a global issue of your own choosing from a list of 10 Critical Areas of Global Concern and connect it to our learning of proportional reasoning.

Global Issue Report:

- State global issue
- Research and select 3 important facts to share.
- Explain why it's an important global issue.
- Describe how has this unit of math increased your understanding of the issue.

10 Areas of Critical Global Concern:

- | | |
|-------------------|----------------------|
| 1. WATER | 6. EDUCATION |
| 2. FOOD | 7. ENERGY |
| 3. TRANSPORTATION | 8. SHELTER |
| 4. HEALTH/DISEASE | 9. WAR |
| 5. ECONOMY | 10. WASTE/SANITATION |

100 People: A World Portrait has the statistics and list of resources
http://www.100people.org/statistics_detailed_statistics.php?section=statistics

Name _____

Date _____

If the World Were 100 People

Global Issue Writing Assignment

Criteria	No (0)	Sort of (1)	Yes (2)
States global issue.			
Chooses 3 facts about global issue.			
Explains why it's an important issue.			
Describes how this unit of math increased their understanding of the global issue.			
Uses correct grammar and spelling.			
Neat and easy to read.			

Score ____/12

If the World Were 100 People

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Criteria	No (0)	Sort of (1)	Yes (2)
States global issue.			
Chooses 3 facts about global issue.			
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Score ____/12