



Name: _____

Class: _____ Date: _____

What Numbers Reveal

An activity of "The bank that helps students save money by recycling trash"

"The bank that helps students save money by recycling trash" (page 14, *What's Up* June 2019), tells the wonderful story of how a seven-year-old boy addresses the problem of waste management and at the same time, helps children to go to school.

1. Read the article carefully. Then, using the information given in the article, calculate the following. Assume that a month has 30 days.

a. What is your estimate about Jose Adolfo Quisocala's age in the year

i. 2024? **ANSWER:** _____

ii. he won the Unicef's Child and Youth Finance Award? **ANSWER:** _____

iii. he won the Children's Climate Prize? **ANSWER:** _____

b. How much (in kg) of solid waste has to be cleared from the streets, beaches, and rivers of Peru

i. fortnightly? **ANSWER:** _____

ii. annually? **ANSWER:** _____

c. What is the ratio of

i. Peru's solid waste that is generated daily to the total amount of solid waste that ends up on the streets, beaches, and rivers each day?

ANSWER: _____

ii. recyclable rubbish deposited by the children each month at Jose's bank to the total amount of solid waste that ends up on the streets, beaches, and rivers of Peru each month?

ANSWER: _____

d. What is the fraction of the total monthly solid waste generated in Peru which is recycled by these children?

ANSWER: _____

2. Reflect on the following two questions. Write your thoughts overleaf.

a. How do you feel about Jose's achievements?

b. Describe the contributions of Jose's banking model to the society in Peru?