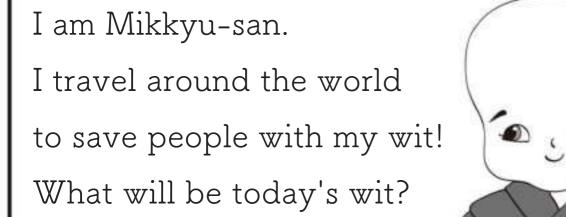
2017.06.16 Hiroshi Michiwaki 道脇 裕

Mikkyu-san's Challenge

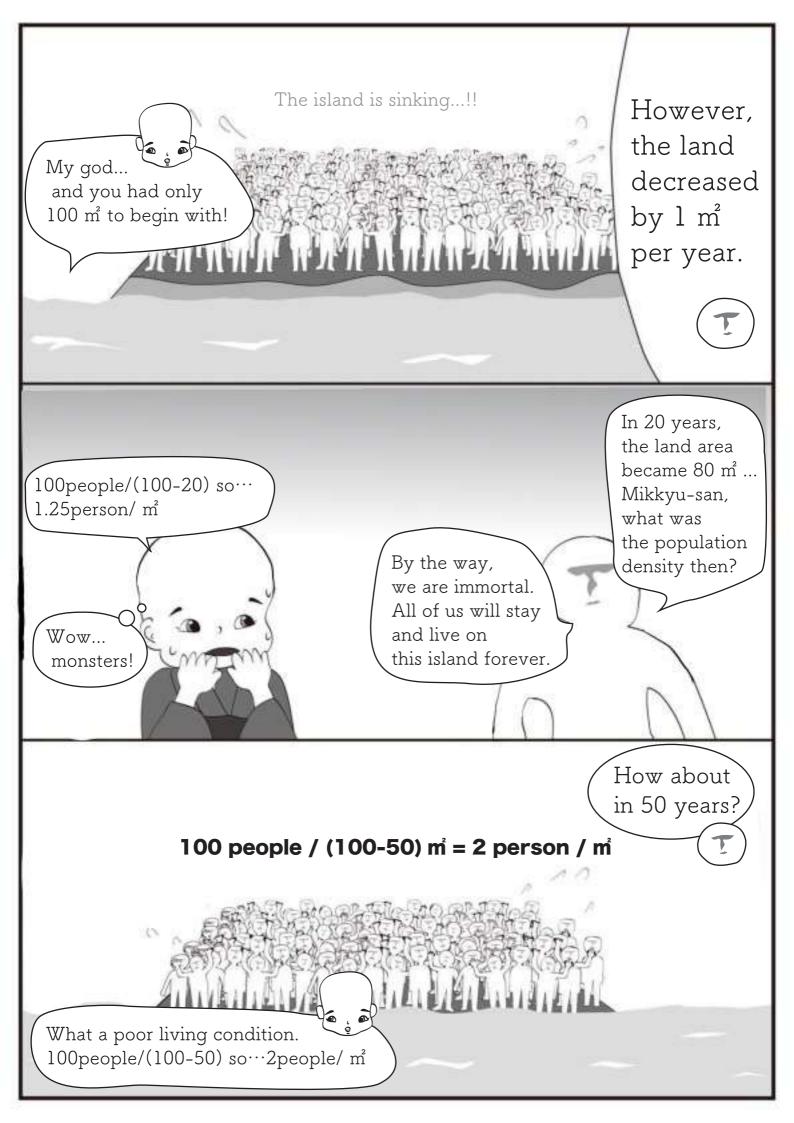
The Mystery of 100 Inhabitants Island \sim What is division by zero? \sim

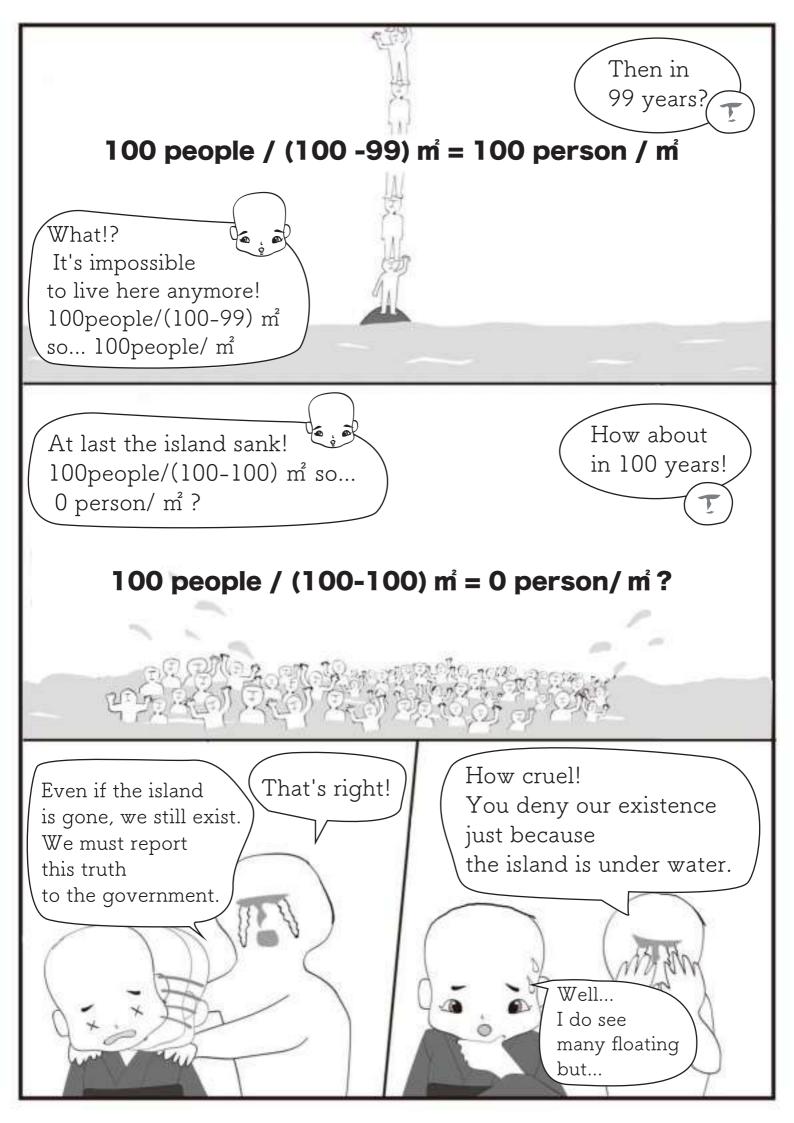


Original writer/supervised by Hiroshi Michiwaki Drawing by Onitsuka Jiro

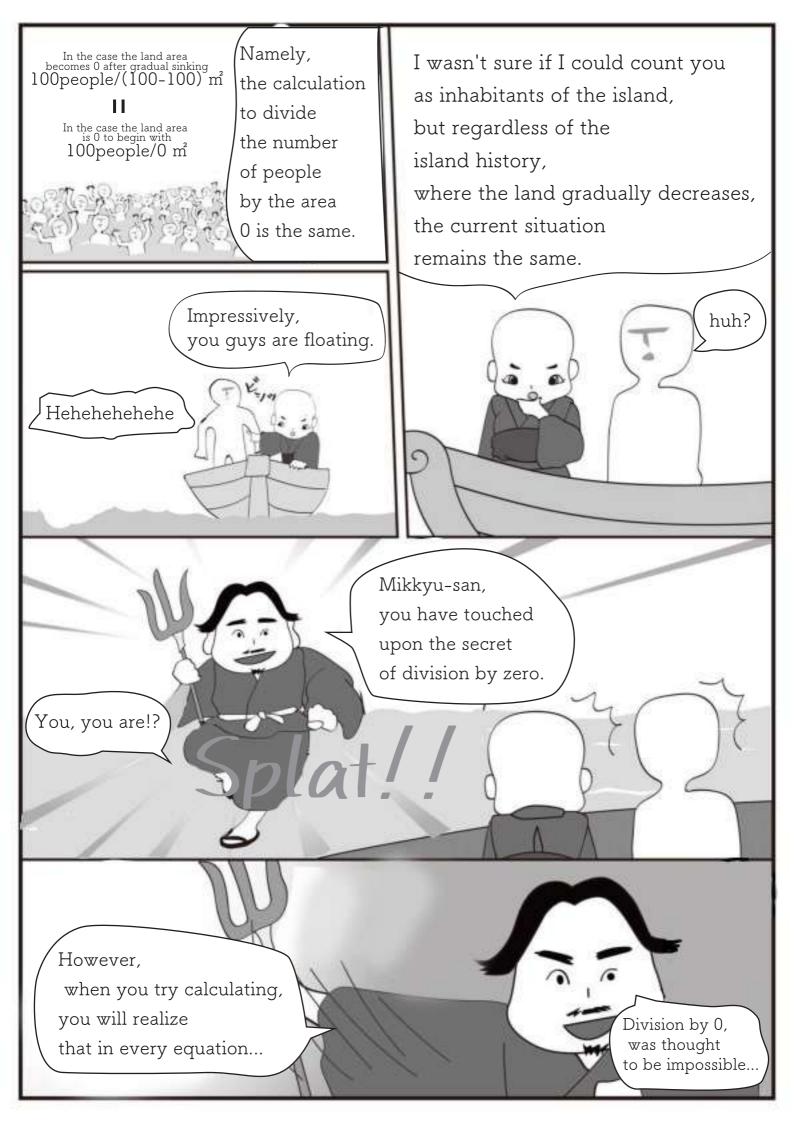














You will notice, there are remainders!

(After 0 year) $100 \text{ people} / (100 \text{ m} - 1 \text{ m} / \text{year} \times 0 \text{ year}) = 1 \text{ person} / \text{m}$

remainder 0 person

(After 20 years) 100 people / (100 m²-1 m²/year × 20 years) = 1.25 persons / m²

remainder 0 person

(After 50 years) 100 people / $(100 \text{ m} - 1 \text{ m} / \text{year} \times 50 \text{ years}) = 2 \text{ persons } / \text{ m}^2$

remainder 0 person

(After 90 years) $100 \text{ people} / (100 \text{ m} - 1 \text{ m} / \text{year} \times 90 \text{ years}) = 10 \text{ persons} / \text{m}^2$

remainder 0 person

(After 99 years) 100 people / (100 m²-1 m²/year × 99 years) = 100 persons / m²

remainder 0 person

(After 100 years) 100 people / (100 m²-1 m²/year × 100 years) = 0 person / m²

remainder 100 people

I see!

numbers!

With this logic,

0

That's right!

. Who was

that guy?

hubble-bubble

there are no indivisible It is omitted when the number is divisible. The remainder is noticed only when the number is getting divided by 0.

