**Calculate the amount of water.**

After the player be out of the building and have walked a part of the journey, it will necessary to get water to complete the journey. The system will prompt this equation to help him decide the amount necessary.

Question

You need 1 Liters of water to walk 18 km. Since the distance is 48 km walking alone. How many liters

do you need to walk this distance?

If the amount in liters inserted is correct, the system will display: Right Choice, if not the system will

display, Wrong Choice.

**Task:** Calculate the volume of water in liters necessary to travel

**Inputs:**

1. Distance: The travel's distance.

2. The consume per Kilometers

**Outputs:**

1. A message of right choice

2. A message of wrong choice

**Validation Rules:**

1. The distance must be equal or less than 48. But not equal or less than Zero.

2. The liters must be 0.555\* distance.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CalcBottlerOfWather Test Matrix | | | | | | |
|  | Test Cases | | | | | |
| Valid | Invalid | | | Boundary | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Inputs | | | | | | |
| Distance in Km | 48 | 0 | 1 | 49 | 1 | 48 |
| Consume per Km | 0.055 | 0.555 | 0.67 | 0.555 | 0.555 | 0.555 |
| Outputs | | | | | | |
| Liters | 2.64 | -1 | -1 | -1 | 0.555 | 2.64 |
| Errors |  | Distance equal or less than zero | Consume greater than 0.055 | Distance greater than 48 |  |  |

calculo:

1. litros por quilometro: 1/18 = 0.055

2. distancia por litro: 0.055\*48 = 2.64

**Algorithm:**

CalcBottlerOfWather (distance, consume): double

BEGIN

IF (distance<=48) THEN

RETURN "Distance incorrect"

IF (consume IS NOT = 0.555) THEN

RETURN " Consume incorrect"

Liters = consume per km \* distance in km

RETURN liters

END