Problem Link:

<https://leetcode.com/problems/water-bottles/description/?envType=daily-question&envId=2025-10-01>

Solution:

class Solution {

public:

int numWaterBottles(int numBottles, int numExchange) {

int t = numBottles;

int e = numBottles;

while(e >= numExchange)

{

int n = e / numExchange;

t += n;

e = e % numExchange + n;

}

return t;

}

};