

Check for Mistakes in this Word Problem: check-total

Directions: It is customary to tip 20% on a bill at a restaurant. Write a function that takes the total cost of the food and returns the new total including tip.

Contract and Purpose Statement

Every contract has three parts...

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check-total: number → number

;

Returns the total of a check with 20% of the cost added

Examples

Write some examples, then circle and label what changes...

(EXAMPLE (

(total 20) _____)(20 (+ (0.2 * 20) 20))

(EXAMPLE (

(total 56.67) _____)(56.67 (+ (0.2 * 56.67) 56.67))

Definition

Write the definition, given variable names to all your input values...

(define (

check-total food-total) (* (+ 0.2 food-total) food-total))