

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...

check-total	number	→	number
<i>Section name</i>	<i>domain</i>		<i>range</i>

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

what does the function do?

Examples

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

function name	initial	what the function produces
(EXAMPLE (total 20))		(20 (+ (0.2 * 20) 20))

```
(EXAMPLE( (total 56.67) ) )
```

function name	input(s)
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$$(56.67 + (0.2 * 56.67) 56.67))$$

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

```
(define( check-total food-total )
```

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

what the function does with these variables