

Check for Mistakes in this Word Problem: calc-pencils

Directions: All students are given five (5) pencils at the beginning of the school year. Write a function called calc-pencils that takes the number of students in the school and calculates the number of pencils needed for that school.

Contract and Purpose Statement

Every contract has three parts...

; calc-pencils : number → number
functionname domain range
; Takes a number of students and gives the number of pencils
what does the function do?

Examples

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

(EXAMPLE (calc-pencils 100) (* 100 5))
functionname input (s) what the function produces
(EXAMPLE (calc-pencils 40) (* 40 6))
functionname input (s) what the function produces

Definition

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

(define (calculate-pencil p)
functionname variables
(* p 5)
what the function does with those variables