

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

number

students

number

pencils

;

Takes a number of students and gives the number of pencils

Examples

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

(EXAMPLE(

calc-pencils

100

)

(*

100

5)

)

calc-pencils

100

100

5

What the function produces

(EXAMPLE(

calc-pencils

40

)

(*

40

5)

)

calc-pencils

40

40

5

What the function produces

Definition

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

(define(calc-pencils

p

)

calc-pencils

p

(*

p

5)

)

What the function does with those variables