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

    function name   *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)   )

    function name   *input(s)*   *what the function produces*

(EXAMPLE(calc-pencils   40   ) (* 40 6)   )

    function name   *input(s)*   *what the function produces*

Definition ☐

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

(define(calculate-pencils   p   )

    function name   *variables*

    (* p 5)   )

what the function does with those variables