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, giving variable names to all your input values ...

```
(define(calculate-pencil p )
```

function name — *variables*

```
(* p 5) )
```

what the function does with those variables