

# 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-penci`] p )  
function name variables

( \* p 5 )  
what the function does with those variables