

## 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