

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-pencil	p)
_____	_____	
	function name	variables
(* p 5))

what the function does with those variables		