

## 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		