

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
_____		_____		_____
<i>function name</i>		<i>domain</i>		<i>range</i>

; Takes a number of students and gives the number of pencils

<i>what does the function do?</i>

Examples

Write some examples, then circle and label what changes...

(EXAMPLE(	calc-pencils	100	)	(	*	100	5))
_____	_____	_____						
	<i>function name</i>	<i>input(s)</i>					<i>what the function produces</i>	

(EXAMPLE(	calc-pencils	40	)	(	*	40	6))
_____	_____	_____						
	<i>function name</i>	<i>input(s)</i>					<i>what the function produces</i>	

Definition

Write the definition, given variable names to all your input values...

(define(calculate-pencils	p)
_____	_____	
	<i>function name</i>	<i>variables</i>

(	*	p	5))

			<i>what the function does with those variables</i>	