

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 ...

<code>;</code>	<code>calc-pencils</code>	<code>:</code>	<code>number</code>	<code>→</code>	<code>number</code>
	_____		_____		_____
	function name		domain		range

<code>;</code>	<code>Takes a number of students and gives the number of pencils</code>

	what does the function do?

Examples

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

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

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

Definition

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

<code>(define(</code>	<code>calculate-pencil</code>	<code>p</code>	<code>)</code>
	_____	_____	
	function name	variables	

<code>(* p 5)</code>	<code>)</code>

what the function does with those variables	