

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>; calc-pencils</code>	:	<code>number</code>	$\rightarrow$	<code>number</code>
<i>function name</i>		<i>domain</i>		<i>range</i>

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

## 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)	)
<i>function name</i>	<i>input(s)</i>	<i>what the function produces</i>	

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

```
(define (calculate-penci: p )
```

( \* p 5 )

---

what the function does with these variables

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