## The Design Recipe

**Directions:** Write a function rect-perimeter that takes in the length and width of a rectangle and returns the perimeter of that rectangle.

Contract and Purpose Statement				
Every contract has three parts				
;rect-perimeter:	Number	Number	->	Number
function name	domain	!		range
; Takes in 2 numbers, length and width	th, and returns the	e double of the	sum of both numbers	
	what does the	function do?		
Examples				
Write some examples, then circle and label what cha	anges			
(EXAMPLE (rect-perimeter	10 20 )	(* 2 (+ 10	20))	)
function name	input(s)		what the function produces	
(EXAMPLE (rect-perimeter	200 350 )	(* 2 (+ 20	0 350))	)
function name	input(s)		what the function produces	
Definition				
Write the definition, giving variable names to all you	ır input values			
(define (rect-perimeter lenger	th width)			
function name vari	able(s)			
(* 2 (+ length width))				)
-	what the function does w	vith those variable(s)		
the Volume of a rectangular prism.  Contract and Purpose Statement	_	_	_	
Every contract has three parts				
; rectprism-vol :	Number Numl	oer Number	->	Number
function name	domain			range
; Takes in 3 numbers, length, width, a			return that value	, winge
	what does the			
Examples				
	an and			
Write some examples, then circle and label what che (EXAMPLE (rectprism-vol	anges 10 20 30 )	(* 10 (* 20	0 30))	1
function name	input(s)	(* 10 (* 20	what the function produces	
v	00 250 350 )	(* 100 (* 2	250 350))	1
function name	input(s)	( ^ 100 ( ^ .	what the function produces	
·	ωμαι(3)		what the function produces	
Definition				
Write the definition, giving variable names to all you				
	th width heigh	nt) <del>-</del>		
function name	variable(s)			
(* length (* width height)	)			)

what the function does with those variable(s)