

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...

```

; _____ : _____ -> _____
  function name      domain                range
;
_____
  what does the function do?

```

Examples □

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

(EXAMPLE ())

function name *input(s)* *what the function produces*

(EXAMPLE ())

function name input(s) what the function produces

Definition

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

```
(define ( function name variable(s) )
  what the function does with those variable(s)
)
```

Directions: Write a function `rectprism-vol` that takes in the length, width, and height of a rectangular prism and returns the Volume of a rectangular prism.

Contract and Purpose Statement

Every contract has three parts...

```

;
; function name : domain -> range
;
; what does the function do?

```

Examples □

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

(EXAMPLE ())

function name *input(s)* *what the function produces*

(EXAMPLE ())

function name *input(s)* *what the function produces*

Definition □

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

```
(define ( function name variable(s) )
  what the function does with those variable(s)
)
```