

# The Design Recipe

**Directions :** Write a function `moving` that takes in the days and number of miles driven and returns the cost of renting a truck. The truck is \$55 per day and each driven mile is 15¢.

## 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...

**examples :**

```
_____ ( _____ ) is _____  
function name      input(s)          what the function produces  
  
_____ ( _____ ) is _____  
function name      input(s)          what the function produces
```

**end**

## Definition

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

```
fun _____ ( _____ ) :  
  function name      variable(s)  
  
  _____  
                        what the function does with those variable(s)
```

**end**

**Directions :** Write a function `lawn-area` that takes in the length and width of a rectangular lawn and returns its area.

## 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...

**examples :**

```
_____ ( _____ ) is _____  
function name      input(s)          what the function produces  
  
_____ ( _____ ) is _____  
function name      input(s)          what the function produces
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**end**

## Definition

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

```
fun _____ ( _____ ) :  
  function name      variable(s)  
  
  _____  
                        what the function does with those variable(s)
```

**end**