

# Word Problem: line-length

**Directions :** Write a function called `line-length` , which takes in two numbers and returns the **positive difference** between them. It should always subtract the smaller number from the bigger one. If they are equal, it should return zero.

## Contract and Purpose Statement

Every contract has three parts...

# line-length:: Number, Number -> Number  
*function name* *domain* *range*

# Consumes two numbers, and produces the positive difference between them

*what does the function do?*

## Examples

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

**examples:**

line-length ( 10, 5 ) is 10 - 5  
*function name* *input(s)* *what the function produces*

line-length ( 2, 8 ) is 8 - 2  
*function name* *input(s)* *what the function produces*

**end**

## Definition

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

**fun** line-length( a, b ):  
*function name* *variable(s)*

**ask:**

| a > b **then:** a - b

| **otherwise:** b - a

**end**

**end**