

## Check for Mistakes in this Word Problem: equal-length?

**Directions:** Write a function that takes in two strings and returns true if their lengths are equal and false otherwise.

### Contract and Purpose Statement

Every contract has three parts...

`; equal-length? : string string → boolean`  
*function name domain range*

`; Given two strings, check if they are the same length`  
*what does the function do?*

### Examples

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

`(EXAMPLE (equal-length? ("yes" "no")) )`  
*function name input(s)*

`(= (string-length "yes") (string-length "no"))`  
*what the function produces*

`(EXAMPLE (equal-length? ("dog" "cat")) )`  
*function name input(s)*

`(= (string-length "dog") (string-length "cat"))`  
*what the function produces*

### Definition

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

`(define (equal-length? string1 string2 )`  
*function name variables*

`(= string1 string2)`  
*what the function does with those variables*