Check for Mistakes in this Word Problem: scale-image

Directions: Write a function which takes an image and a string, representing what to scale the image by. The function should return a smaller image if the string is 'smaller' and a bigger image if the string is 'bigger'.

Contract and Purpose Statement

Every contract has three parts ...

; scale-image : image string → image
   function name domain range
;
Make the image bigger or smaller, depending on the given string
   what does the function do?

Examples

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

(EXAMPLE (scale-image (circle 5 "solid" "red") "bigger")
   function name input(s)
   (circle 10 "solid" "red")
   what the function produces
)

(EXAMPLE (scale-triangle (triangle 20 "solid" "blue") "smaller")
   function name input(s)
   (triangle 10 "solid" "blue")
   what the function produces
)

Definition

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

(define (scale-image original-image scale-factor)
   function name variables
   (cond
   [(string=? scale-factor "bigger") (scale 2 original-image) ]
   [(string=? scale-factor "smaller") (scale 0.5 original-image) ]
   [else original-image ]))