Word Problem: average

Directions : To find the average of two numbers, they should be added together and divided by two. Define a function which takes in two numbers and produces their average.

Contract and Purpose Statement

Every contract has three parts...

\#   average::   Number, Number   ->   Number

      function name   *domain*   *range*

\# Takes in two Numbers and produces a Number as the average

                  what does the function do?

Examples

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

examples:

      average (0, 30   ) **is** (0 + 30) / 2

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

      average (4, 10   ) **is** (4 + 10) / 2

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

end

Definition

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

fun   average(n1, n2   ):

     function name   *variable(s)*

   (n1 + n2) / 2

             what the function does with those variable(s)

end