

# Word Problem: cost

**Directions :** Use the Design Recipe to write a function `cost` , which takes in the number of glasses sold and calculates the total cost of materials if each glass costs \$.30 to make.

## Contract and Purpose Statement

Every contract has three parts...

# cost:: Number -> Number  
*function name* *domain* *range*

# Consumes a Number of glasses sold and produces the cost

*what does the function do?*

## Examples

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

**examples:**

cost ( 1 ) is 0.3 \* 1  
*function name* *input(s)* *what the function produces*

cost ( 5 ) is 0.3 \* 5  
*function name* *input(s)* *what the function produces*

**end**

## Definition

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

**fun** cost( glasses ):  
*function name* *variable(s)*

0.3 \* glasses

*what the function does with those variable(s)*

**end**