

## Check for Mistakes in this Word Problem: turkey-price

**Directions:** The grocery store charges \$2/pound for a turkey for the first 5 pounds, and then \$1/pound for every pound after that. Write a function that takes in the weight of a turkey and returns how much it will cost.

### Contract and Purpose Statement

Every contract has three parts...

; turkey-price : weight → number  
function name domain range

; Return the price of the turkey.

what does the function do?

### Examples

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

(EXAMPLE( turkey-price 3 ) ( \* 2 3 ) )  
function name input(s) what the function produces

(EXAMPLE( turkey-price 6 ) ( + 10 ( \* 1 ( - 6 5 ) ) ) )  
function name input(s) what the function produces

### Definition

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

(define( turkey-price weight )  
function name variables

(cond \_\_\_\_\_

[(< weight 5) \_\_\_\_\_ ( \* 2 weight ) \_\_\_\_\_ ]

[else \_\_\_\_\_ ( + 10 ( \* 1 ( - weight 5 ) ) ) \_\_\_\_\_ ])