

## 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...

;

<b>turkey-price</b>	<b>weight</b>	<b>→</b>	<b>number</b>
<i>function name</i>	<i>domain</i>		<i>range</i>
<b>Return the price of the turkey.</b>			
<i>what does the function do?</i>			

### Examples

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

(EXAMPLE (

<b>turkey-price</b>	<b>3</b>	<b>)</b>	<b>(* 2 3)</b>	<b>)</b>
<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	
(EXAMPLE (				
<b>turkey-price</b>	<b>6</b>	<b>)</b>	<b>(+ 10 (* 1 (- 6 5)))</b>	<b>)</b>
<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	

### Definition

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

(define (

<b>turkey-price</b>	<b>weight</b>	<b>)</b>	
<i>function name</i>	<i>variables</i>		
(cond			
[			
<b>(&lt; weight 5)</b>		<b>(* 2 weight)</b>	<b>]</b>
<b>[else: (+ 10 (* 1 (- weight 5)))</b>			<b>])</b>