

Check for Mistakes in this Word Problem: enough-cash?

Directions: You go the store with \$1.50 in your pocket. Write a function which takes in the price of an item and returns true if you have enough money to buy the item and false if you do not.

Contract and Purpose Statement

Every contract has three parts ...

<code>; enough-cash?</code>	<code>:</code>	<code>string</code>	<code>→</code>	<code>boolean</code>
<i>function name</i>		<i>domain</i>		<i>range</i>

<code>; Check to see if the item costs less than 1.50</code>
<i>what does the function do?</i>

Examples

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

<code>(EXAMPLE(</code>	<code>enough-cash?</code>	<code>"gum"</code>	<code>)</code>	<code>(< gum 1.5)</code>	<code>)</code>
	<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	

<code>(EXAMPLE(</code>	<code>enough-cash?</code>	<code>"soda"</code>	<code>)</code>	<code>(< gum 150)</code>	<code>)</code>
	<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>	

Definition

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

<code>(define(</code>	<code>enough-cash?</code>	<code>item</code>	<code>)</code>
	<i>function name</i>	<i>variables</i>	

<code>(< item 1.5)</code>	<code>)</code>
<i>what the function does with those variables</i>	