

# 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...

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

  

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

## Examples

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

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

  

(EXAMPLE (	<b>enough-cash?</b>	<b>"soda"</b>	)	( < gum 150 )	)
	_____	_____		_____	
	<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>enough-cash?</b>	<b>item</b>	)
	_____	_____	
	<i>function name</i>	<i>variables</i>	

  

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