

# Functions

## Buying A Drink

Let's look at the ordered pairs that caused this problem.

$(1, .50), (2, 1.00), (3, 1.50), (4, 2.00), (4, 1.75)$

The last two ordered pairs highlight the malfunction, one person buying 4 drinks for \$2.00, the next person buying 4 drinks for a \$1.75.

**Relation – any set of ordered pairs**

**Function** is a special relation in which no two different ordered pairs have the same first element.

That would indicate someone got cheated