Name _____ Class _____ Date _____

# Reteaching 4-5 Account for All Possibilities

A taco shop serves beef, chicken, or bean burritos. You can have any burrito on a corn or a flour tortilla and with or without hot sauce. How many different burritos does the shop serve?

The different burritos are listed in the table at the right. To be sure all possibilities are counted, all the beef burritos are listed first. Within those, the two types of beef burritos on a corn tortilla are listed first. The pattern is continued with chicken and then bean burritos.

| Filling | Tortilla | Hot Sauce |
|---|---|---|
| beef | corn | yes |
| beef | corn | no |
| beef | flour | yes |
| beef | flour | no |
| chicken | corn | yes |
| chicken | corn | no |
| chicken | flour | yes |
| chicken | flour | no |
| bean | corn | yes |
| bean | corn | no |
| bean | flour | yes |
| bean | flour | no |

**Solve each problem by accounting for all possibilities.**

1. Kara and Karl love steak, fried chicken, hamburgers, mashed potatoes, and french fries. They like green beans and peas. How many different meals including a meat, potatoes, and a green vegetable can they make from these choices? List all possibilities in the table to find the number of different meals.

   _____

2. What is the most money you can have in coins and not be able to make change for a dollar? Hint: You do not have to have each kind of coin.

   _____

| Meat | Potato | Vegetable |
|---|---|---|
| steak | mashed | beans |
| steak | mashed | peas |
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