

1. You have a total of 15 coins made up of quarters and dimes that add to \$2.40. Find the number of quarters and dimes. Use the table below to help if necessary.

# of quarters	# of dimes	Total value

Solution (write as a sentence) _____

2. Two companies mail large packages that they will deliver the same day. Big Box charges a \$5 service fee and \$.50 per pound to mail a package. U-Mail charges a \$2 service fee and \$.75 per pound to mail a package.

a. When do they charge the same amount?

b. Why would you use U-mail instead of Big Box to mail a package?

3. You buy 3 tacos and 4 burritos for \$13.00 and your friend buys 3 tacos and 2 burritos for \$8.00. What is the cost of a taco? What is the cost of a burrito?

Write 2 algebraic equations that represent the problem. How can you solve it this way?