

Solving Systems of Equations Word Problems

Example 1:

Amina and Shira go to Yummy Donuts to get treats for their friends. Amina buys 5 donuts and 3 cups of coffee and spends \$6. Shira buys 3 donuts and 6 cups of coffee and spends \$8.85. What is the price for one donut and the price for one cup of coffee?

- Define the variables that you will use to solve this problem.
- Write an equation to describe Amina's purchase and an equation to describe Shira's purchase.
- Use any method to solve the system of equations.
- State your answer to the question in a complete sentence.

