

Name _____

Date _____

Lesson 22: Solving Equations Using Algebra

Exit Ticket

Susan and Bonnie are shopping for school clothes. Susan has \$50 and a coupon for a \$10 discount at a clothing store where each shirt costs \$12.

Susan thinks that she can buy 3 shirts, but Bonnie says that Susan can buy 5 shirts. The equations they used to model the problem are listed below. Solve each equation algebraically, justify your steps, and determine who is correct and why.

Susan's Equation

$$12n + 10 = 50$$

Bonnie's Equation

$$12n - 10 = 50$$