

9) X=# of hours 1.6x +6.8 = 11 -6.5 -6.5 1.6x = 4.5 X= 3 hours X = # of pairs of socks 5.95x + 24.95 = 50 -24.95 - 24.95 100 (5.95x = 25.05) 595x = 2505 595 595 X=4 25 rothorrox -2380 125 answer to the question paus of sak

## **EXAMPLE 3** Try It! Solve Mixture Problems

3. How many pounds of Arabica coffee should you mix with 5 pounds of Robusta coffee to make a coffee blend that costs \$12.00 per pound?

## HABITS OF MIND

**Generalize** How can you determine whether an equation has infinitely many or no solutions? **© MP.8** 

## **EXAMPLE 4** Try It! Use Equations to Solve Problems

4. Cameron's friend tells him of another service that has a \$15 joining fee but charges \$0.80 per song. At what number of songs does this new service become a less expensive option to Cameron's current service?

1= \* Obrar's
Server
Server
Server