Write and solve two step equations p(x+q) = r

Example 5 Write and Solve Two-Step Equations

Jamal and two cousins received the same amount of money to go to a movie. Each boy spent $15. Afterward, the boys had $30 altogether.

Write and solve an equation to find the amount of money each boy received.

Part A Write an equation.

a. $3m - 15 = 30$ b. $3(m - 15) = 30$ c. $3m + 15 = 30$ d. $3(m + 15) = 30$

Part B Solve the equation.

a. $m = 25$ b. $m = -25$ c. $m = 30$ d. $m = 7$

Check

Mr. Singh had three sheets of stickers. He gave 20 stickers from each sheet to his students and has 12 total stickers left. Write and solve an equation to find the total number of stickers *s* there were originally on each sheet.

Part A Write an equation.

a. $3s - 12 = 20$ b. $3(s - 12) = 20$ c. $3s - 20 = 12$ d. $3(s - 20) = 12$

Part B Solve the equation.

a. $s = 22$ b. $s = 23$ c. $s = 24$ d. $s = 25$

LIVEWORKSHEETS