

Name : _____

Systems of Two Equations Word Problems

Answers

- 1 Nancy spent \$140 on shirts. Fancy shirts cost \$20 and plain shirts cost \$15. If she bought 8 shirts in total then how many of each kind did she buy?

Ans: 4 fancy shirts, 4 plain shirts

- 2 Noah invests a total of \$20,000 in two accounts, one paying 5% and the other paying 8% simple interest per year. Her annual interest is \$1,180. How much did she invest at each rate?

Ans: \$14,000 at 5% rate, \$6,000 at 8% rate

- 3 Two times a number added to another number is 25. Three times the first number minus the other number is 20. Find the two numbers.

Ans: 9, 7

- 4 There are 13 animals in a barn. Some are chickens and some are pigs. There are 40 legs in all. Find the number of each animal in the barn.

Ans: 7 pigs, 6 chickens