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HW: Solve the following word problems which involve systems of linear equations.

Sunnyside HS recently sold 1500 tickets to its Football championship game. The school made a total of $13,250 from its ticket sales, with adult tickets going for $10 each, and student tickets going for $5 each. How many adult tickets and student tickets were sold?

An investor buys a total of 360 shares of two stocks. The price of one stock is $35 per share, while the price of the other stock is $45 per share. The investor spends a total of $15,000. How many shares of each stock did the investor buy?

On Monday Joe bought 10 cups of coffee and 5 doughnuts for his office at the cost of $16.50. It turns out that the doughnuts were more popular than the coffee. On Tuesday he bought 5 cups of coffee and 10 doughnuts for a total of $14.25. How much was each cup of coffee?

You’re going to the mall with your friends and you have $200 to spend from your recent birthday money. You discover a store that has all jeans for $25 and all coats for $50. You really, really want to take home 6 items of clothing because you “need” that many new things. How many coats can you buy?

Last season, the Eagles’ two running backs carried the ball a total of 518 times, and combined for a total of 1712 yards. Tommy Tacklebreaker averaged 3 yds a carry, and Freddy Fastshoes averaged 3.5 yds a carry. How many times did each running back carry the ball?