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Name :

Grade :



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## Systems of Equations Word Problems

36. At a concert, t-shirts were sold for \$20 each and caps for \$15 each. The vendor sold a total of 200 items and made \$3,625. How many t-shirts and how many caps were sold?

37. An amusement park sells ride tickets for 3 points each and game tickets for 2 points each. Sarah bought 15 tickets and used a total of 38 points. How many ride tickets and how many game tickets did she buy?

38. A farmer has only chickens (2 legs) and sheep (4 legs). In total, there are 30 animals on the farm, and they have a total of 80 legs. How many chickens and how many sheep does the farmer have?

39. Emily collects old stamps and coins. She has a total of 60 items in her collection. If she has 10 more stamps than coins, how many stamps and how many coins does she have?

40. A gardener has 100 feet of wooden planks to build two separate square garden beds. The second garden bed will have a side length that is 5 feet longer than the first. How much wood is used for each bed if all 100 feet are used for the perimeters? (Let  $s_1$  and  $s_2$  be side lengths).