Systems of Equations - Word Problems

Math Blast

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Name

Score

Solve and show all steps.

A movie theater sells adult tickets for $10 and child tickets for $6. On a certain Saturday, they sold a total of 250 tickets. If the total revenue from ticket sales was $2060, how many adult tickets and how many child tickets were sold?	Show all steps here
Michelle is 3 years older than her brother, Tom. In 5 years, the sum of their ages will be 35. How old are Michelle and Tom currently?	Show all steps here
A jar contains only quarters and dimes. There are 45 coins in total. If the total value of the coins in the jar is $8.70, how many quarters and how many dimes are in the jar?	Show all steps here
The sum of two numbers is 18. When the second number is subtracted from the first number, the result is 4. Find the two numbers.	Show all steps here
On a quaint farm, a farmer counts only chickens and cows. One afternoon, he observes that there are a total of 30 heads and 84 legs among these animals. Assuming each chicken has 2 legs and each cow has 4 legs, how many chickens and how many cows are on the farm?	Show all steps here

Solve and show all steps.

140 adult tickets and 110 child tickets were sold.

Michelle is currently 14 years old, and Tom is currently 11 years old.

There are 28 quarters and 17 dimes in the jar.

The two numbers are 11 and 7.

There are 18 chickens and 12 cows on the farm.