Algebra 1 ECA Remediation **Name _____**

Homework 14.1

1. Tony sells cars and earns a base salary of $450 per week plus $175 for each car he sells.

   Write an equation to represent the total amount of money Tony earns in a week (m) if he sells (c) cars.

   Answer _____

   If Tony made $1675 last week, how many cars did he sell?

   Answer _____

2. An amusement park charges $95 for each adult ticket and $60 for each child ticket. One group's total cost was $620.

   Write an equation to represent the number of adult tickets (a) and the number of child tickets (c) that the group bought considering they spent $620.

   Answer _____

   If there were 4 adults in the group, how many children were there in the group?

   Answer _____

3. A taxi cab charges a flat fee of $4.00 plus $1.25 for each mile.

   Write an equation to represent the cost (c) of a cab ride that travels (m) miles.

   Answer _____

   If my last cab ride cost a total of $19.00, how many miles did I travel?

   Answer _____

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Homework 14.1

4. Sally has $60 to spend on ground beef and chicken for a party. The beef costs $2 per pound and the chicken costs $3 per pound.

   Write an equation to represent the number of pounds of beef (b) and the number of pounds of chicken (c) that Sally can buy for $60.

   Answer _____

   If Sally buys 15 pounds of beef, how many pounds of chicken can she buy?

   Answer _____

Homework 14.1 Answers

1. $m = 175c + 450$; 7
2. $95a + 60c = 620$; 4
3. $c = 1.25m + 4.00$; 12
4. $2b + 3c = 60$; 10