Algebra 1 ECA Remediation   **Name** _____

Homework 14.3

1. Bob sells cars and earns a base salary of $500 per week plus $180 for each car he sells.

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

    Answer _____

    If Bob made $2120 last week, how many cars did he sell?

    Answer _____

2. An amusement park charges $70 for each adult ticket and $45 for each child ticket. One group's total cost was $570.

    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 $570.

    Answer _____

    If there were 3 adults in the group, how many children were there in the group?

    Answer _____

3. A taxi cab charges a flat fee of $2.00 plus $1.75 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 $40.50, how many miles did I travel?

    Answer _____

Homework 14.3

4.   Emily has $40 to spend on ground beef and chicken for a party. The beef costs $5 per pound and the chicken costs $4 per pound.

Write an equation to represent the number of pounds of beef (b) and the number of pounds of chicken (c) that Emily can buy for $40.

Answer _____

If Emily buys 5 pounds of chicken, how many pounds of beef can she buy?

Answer _____

Homework 14.3 Answers

1. $m = 180c + 500$;   9

2. $70a + 45c = 570$;   8

3. $c = 1.75m + 2.00$; 22

4. $5b + 4c = 40$;   4