

Homework 14.2

1. Fred sells cars and earns a base salary of \$625 per week plus \$150 for each car he sells.

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

Answer _____

If Fred made \$1075 last week, how many cars did he sell?

Answer _____

2. An amusement park charges \$85 for each adult ticket and \$50 for each child ticket. One group's total cost was \$320.

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 \$320.

Answer _____

If there were 2 adults in the group, how many children were there in the group?

Answer _____

3. A taxi cab charges a flat fee of \$3.50 plus \$1.50 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 \$12.50, how many miles did I travel?

Answer _____

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4. Marie has \$40 to spend on ground beef and chicken for a party. The beef costs \$4 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 Marie can buy for \$40.

Answer _____

If Marie buys 4 pounds of beef, how many pounds of chicken can she buy?

Answer _____

Homework 14.2 Answers

1. $m = 150c + 625$; 3
2. $85a + 50c = 320$; 3
3. $c = 1.50m + 3.50$; 6
4. $4b + 3c = 40$; 8