# Algebra 1 ECA Remediation

### Homework 14.1

3.

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

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

Answer 
$$M = 175c + 450$$
  $M = 175c + 450$ 

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

Answer 
$$\frac{7cars}{1225} = \frac{175c}{175} = \frac{175c}{175} = \frac{175c}{175}$$

An amusement park charges \$95 for each adult ticket and \$60 for each child 2. 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. 95-A+60C=620

Answer 
$$954 + 600 = 620$$
  $\frac{adult 95}{Total 620}$ 

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

$$A = 4 \qquad 95(4) + 60C = 620$$
Answer 
$$4 \qquad Children \qquad C = ? \qquad 380 + 60C = 620$$

$$-380 \qquad -380$$
A taxi cab charges a flat fee of \$4.00 plus \$1.25 for each mile.
$$60C = 240 \qquad C = 4$$

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

Flat fee 
$$= 400$$
 (= 1.25 m +  $400$ 

Answer  $= C = 1.25 \text{ m} + 4.00$ 

each  $= 1.25 \text{ m} + 4.00$ 

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

Answer 12 miles 19.00 = 1.25 m + 400
$$-4.00 - 4.00$$

$$15.00 = 1.25 m$$

$$1.25$$

$$1.25$$

$$1.25$$

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Name Answer Key

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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 26 + 3C = 60of pounds of chicken (c) that Sally can buy for \$60.

Answer 2b + 3c = 60 Chicken \*3 Chicken \*3

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

Answer 10/bs of Chicken Beef = 15/bs 2(15) + 3c = 6030 +30 = 60

c=10

### Homework Answers

- 1. m = 175c + 450; 7
- 2.95a + 60c = 620; 4
- 3. c = 1.25m + 4.00; 12
- 4.2b + 3c = 60; 10