



Name: _____

Date: _____

Algebra 1 – Unit 2 – Linear Equation Word Problems (Medium)

Read each word problem carefully. Write an equation and solve for x . Show your work.

1. Jake collected x baseball cards. His friend gave him 43 more cards. Now he has 93 cards. How many cards did he start with?

Equation: _____

Solution: _____

2. A basketball team scored x points in the first half. They scored 45 points in the second half. They scored 65 points total. How many points did they score in the first half?

Equation: _____

Solution: _____

3. A farm has x chickens and 11 ducks. There are 39 birds total. How many chickens are there?

Equation: _____

Solution: _____

4. Carlos had x stickers. He gave 6 stickers to his friend. Now he has 15 stickers left. How many stickers did Carlos have at first?

Equation: _____

Solution: _____

**Algebra 1 – Unit 2 – Linear Equation Word Problems (Medium) – Answer Key**

1. Jake collected x baseball cards. His friend gave him 43 more cards. Now he has 93 cards. How many cards did he start with?

Equation: $x + 43 = 93$

Solution: $x = 50$

2. A basketball team scored x points in the first half. They scored 45 points in the second half. They scored 65 points total. How many points did they score in the first half?

Equation: $x + 45 = 65$

Solution: $x = 20$

3. A farm has x chickens and 11 ducks. There are 39 birds total. How many chickens are there?

Equation: $x + 11 = 39$

Solution: $x = 28$

4. Carlos had x stickers. He gave 6 stickers to his friend. Now he has 15 stickers left. How many stickers did Carlos have at first?

Equation: $x - 6 = 15$

Solution: $x = 21$