



Name: _____

Date: _____

Unit 2 – Linear Equation Word Problems

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 45 more cards. Now he has 53 cards. How many cards did he start with?

Equation: _____

Solution: _____

2. Maria had x apples. She bought 50 more apples. Now she has 63 apples. How many apples did Maria have at first?

Equation: _____

Solution: _____

3. In a parking lot, there are x cars. Then 33 more cars arrive. Now there are 66 cars total. How many cars were there at first?

Equation: _____

Solution: _____

4. The temperature was x degrees in the morning. It rose 46 degrees by afternoon. The afternoon temperature was 92 degrees. What was the morning temperature?

Equation: _____

Solution: _____



Unit 2 – Linear Equation Word Problems – Answer Key

1. Jake collected x baseball cards. His friend gave him 45 more cards. Now he has 53 cards. How many cards did he start with?

Equation: $x + 45 = 53$

Solution: $x = 8$

2. Maria had x apples. She bought 50 more apples. Now she has 63 apples. How many apples did Maria have at first?

Equation: $x + 50 = 63$

Solution: $x = 13$

3. In a parking lot, there are x cars. Then 33 more cars arrive. Now there are 66 cars total. How many cars were there at first?

Equation: $x + 33 = 66$

Solution: $x = 33$

4. The temperature was x degrees in the morning. It rose 46 degrees by afternoon. The afternoon temperature was 92 degrees. What was the morning temperature?

Equation: $x + 46 = 92$

Solution: $x = 46$