Name: _____ Date: _____

Fresh Math

Unit 2 – Linear Equation Word Problems (Easy)

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

1. A theater had x people inside. 8 people left during intermission. There are 6 people still in the theater. How many people were there at first?

   Equation: _____

   Solution: _____

2. A store had x video games. They sold 10 games on Monday. They have 18 games left. How many games did they start with?

   Equation: _____

   Solution: _____

3. A farm has x chickens and 8 ducks. There are 12 birds total. How many chickens are there?

   Equation: _____

   Solution: _____

4. The temperature was x degrees in the morning. It rose 3 degrees by afternoon. The afternoon temperature was 8 degrees. What was the morning temperature?

   Equation: _____

   Solution: _____

Unit 2 – Linear Equation Word Problems (Easy) – Answer Key

1. A theater had x people inside. 8 people left during intermission. There are 6 people still in the theater. How many people were there at first?

   Equation: x - 8 = 6

   Solution: x = 14
2. A store had x video games. They sold 10 games on Monday. They have 18 games left. How many games did they start with?

   Equation: x - 10 = 18

   Solution: x = 28
3. A farm has x chickens and 8 ducks. There are 12 birds total. How many chickens are there?

   Equation: x + 8 = 12

   Solution: x = 4
4. The temperature was x degrees in the morning. It rose 3 degrees by afternoon. The afternoon temperature was 8 degrees. What was the morning temperature?

   Equation: x + 3 = 8

   Solution: x = 5
5. A book has 15 pages. John has already read 9 pages. How many pages does he have left to read?

   Equation: x + 9 = 15

   Solution: x = 6
6. Tom had x marbles. He lost 2 marbles at the park. He has 18 marbles now. How many marbles did he have at first?

   Equation: x - 2 = 18

   Solution: x = 20
7. There are 17 students in class today. 10 students are wearing glasses. How many students are not wearing glasses?

   Equation: x + 10 = 17

   Solution: x = 7
8. A library had x books checked out. 5 books were returned. Now 12 books are still checked out. How many books were checked out at first?

   Equation: x - 5 = 12

   Solution: x = 17