Name: _____ Date: _____

Fresh Math

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. Lisa had $x. She spent $20 on a book. She has $35 left. How much money did she have at first?

   Equation: _____

   Solution: _____

2. A book has 62 pages. John has already read 47 pages. How many pages does he have left to read?

   Equation: _____

   Solution: _____

3. A library had x books checked out. 12 books were returned. Now 9 books are still checked out. How many books were checked out at first?

   Equation: _____

   Solution: _____

4. A theater had x people inside. 15 people left during intermission. There are 34 people still in the theater. How many people were there at first?

   Equation: _____

   Solution: _____

5. Lisa had $x. She spent $24 on a book. She has $12 left. How much money did she have at first?

   Equation: _____

   Solution: _____

ebra 1 - Unit 2 - Linear Equation Word Problems (Medium) - Answer

1. Lisa had $x. She spent $20 on a book. She has $35 left. How much money did she have at first?

   Equation: x - 20 = 35

   Solution: x = 55
2. A book has 62 pages. John has already read 47 pages. How many pages does he have left to read?

   Equation: x + 47 = 62

   Solution: x = 15
3. A library had x books checked out. 12 books were returned. Now 9 books are still checked out. How many books were checked out at first?

   Equation: x - 12 = 9

   Solution: x = 21
4. A theater had x people inside. 15 people left during intermission. There are 34 people still in the theater. How many people were there at first?

   Equation: x - 15 = 34

   Solution: x = 49
5. Lisa had $x. She spent $24 on a book. She has $12 left. How much money did she have at first?

   Equation: x - 24 = 12

   Solution: x = 36
6. A garden had x flowers. The gardener picked 19 flowers. There are 49 flowers left in the garden. How many flowers were there at first?

   Equation: x - 19 = 49

   Solution: x = 68
7. There were x cookies in a jar. Sarah ate 18 cookies. Now there are 33 cookies left. How many cookies were there at first?

   Equation: x - 18 = 33

   Solution: x = 51
8. A class had x students. 14 students were absent today. There are 10 students in class. How many students are in the class total?

   Equation: x - 14 = 10

   Solution: x = 24