Write an equation to model each problem then solve for the variable and then check to see if your solution is correct. You MUST show all your work on a separate piece of paper to get credit.

1. How many packs of gum can you buy with $16 if one pack of gum costs $2?

2. Donna and her friend found some money. They split the money evenly, each getting $32.50. How much money did they find?

3. Kim wants to buy a new watch that costs $87.60. How much change does she receive if she gives the cashier $100?

4. After paying $2.30 for a drink, Bryon has $17.15. How much money did he have before buying the drink?

5. A recipe for cookies calls for 3 cups of sugar. Katie has already put in half a cup. How many more cups does she need to put in?

6. John was given g $14.00 in order to buy a gift. This covered half of the cost. How much did the gift cost?

7. Your dog ate 12 of your notecards for school. That was 3/4 of your notecards that you need to turn in. How many notecards had you completed?

8. Lisa is baking a cake. The recipe calls for 5 cups of sugar. She has already put in 3 cups. How many more cups of sugar does she need to add?

9. Bob and his four friends decided to divide the pizza bill evenly. If each person paid $8 then what was the total price for the pizza?

10. How many rounds of golf can you play with $400 if one round costs $80?

11. Last Thursday Drew had $30. Over the weekend he received some money for cutting the grass. He now has $61. How much money did he get paid for cutting the grass?

12. Last week Adam ran 25 miles more than Katie. Adam ran 35 miles. How many miles did Katie run?

Math 6 - Unit 4: Equations & Inequalities
Word Problems with One-Step Equations #2
ANSWER KEY

Name: _____

Class Period: 1   2   3   4   Date: _____

Write an equation to model each problem then solve for the variable and then check to see if your solution is correct. You MUST show all your work on a separate piece of paper to get credit.

1. How many packs of gum can you buy with $16 if one pack of gum costs $2? **8 packs; Possible Equation: 2x = 16**

2. Donna and her friend found some money. They split the money evenly, each getting $32.50. How much money did they find? **$65; Possible Equation: x ÷ 2 = 32.50**

3. Kim wants to buy a new watch that costs $87.60. How much change does she receive if she gives the cashier $100? **$12.40; Possible Equation: x + 87.50 = 100**

4. After paying $2.30 for a drink, Bryon has $17.15. How much money did he have before buying the drink? **$19.45; Possible Equation: x – 2.30 = 17.15**

5. A recipe for cookies calls for 3 cups of sugar. Katie has already put in half a cup. How many more cups does she need to put in? **2.5 cups; Possible Equation: x + 0.5 = 3**

6. John was given g $14.00 in order to buy a gift. This covered half of the cost. How much did the gift cost? **$28; Possible Equation: x ÷ 2 = 14**

7. Your dog ate 12 of your notecards for school. That was 3/4 of your notecards that you need to turn in. How many notecards had you completed? **16 notecards; Possible Equation:** $\frac{3}{4}x = 12$

8. Lisa is baking a cake. The recipe calls for 5 cups of sugar. She has already put in 3 cups. How many more cups of sugar does she need to add? **2 cups; Possible Equation: x + 3 = 5**

9. Bob and his four friends decided to divide the pizza bill evenly. If each person paid $8 then what was the total price for the pizza? **$40; Possible Equation:** $\frac{x}{5} = 8$

10. How many rounds of golf can you play with $400 if one round costs $80? **5 rounds; Possible Equation: 80x = 400**

11. Last Thursday Drew had $30. Over the weekend he received some money for cutting the grass. He now has $61. How much money did he get paid for cutting the grass? **$31; Possible Equation: 30 + x = 61**

12. Last week Adam ran 25 miles more than Katie. Adam ran 35 miles. How many miles did Katie run? **10 miles; Possible Equation: x + 25 = 35**