

Math 6 - Unit 4: Equations & Inequalities

Homework – Word Problems with One-Step Equations #1

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. Eliza and four friends are going to a softball game. The total cost for five tickets is \$110. How much does one ticket cost?
2. Noah saved \$78. His sister saved \$101. Write and solve an equation to find how much more Noah's sister saved.
3. Four friends went out to dinner. When they split the bill, they each had to pay \$7.87. What was the total bill for the dinner?
4. Maria took out \$35 from her savings account to buy a present. If she had \$324 left after she took out the money, how much money did she have in her account before she took out the money?
5. Maddi needs to buy envelopes to mail her letters. How many boxes of envelopes can she buy with \$12 if one box costs \$3?
6. Clayton deleted 286 songs from his I-pod. If he had 74 songs left, how many songs did his I-pod have before he deleted some?
7. Today Diana discovered that she is four inches taller than she was a year ago. If Diana is 51 inches tall today, how tall was she at this time last year?
8. Write your own world problem. Then figure out the equation you would use as well as the solution.
9. Last week Howard had 26 dollars. He washed windows over the weekend and now has 52 dollars. How much money did he make washing windows?
10. Nathan has 35 books in his library. He bought several books at a yard sale over the weekend. He now has 65 books in his library. How many books did he buy at the yard sale?
11. There were 6 soccer balls in the bag. Coach B. found several additional soccer balls, and placed them in the bag. There are now 24 balls in the bag. How many soccer balls did he pick up?

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ANSWER KEY

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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. Eliza and four friends are going to a softball game. The total cost for five tickets is \$110. How much does one ticket cost? **EXAMPLE: Equation: $5x = 110$, Answer: \$22**
2. Noah saved \$78. His sister saved \$101. Write and solve an equation to find how much more Noah's sister saved. **\$23**
3. Four friends went out to dinner. When they split the bill, they each had to pay \$7.87. What was the total bill for the dinner? **\$31.48**
4. Maria took out \$35 from her savings account to buy a present. If she had \$324 left after she took out the money, how much money did she have in her account before she took out the money? **\$359**
5. Maddi needs to buy envelopes to mail her letters. How many boxes of envelopes can she buy with \$12 if one box costs \$3? **4 boxes**
6. Clayton deleted 286 songs from his I-pod. If he had 74 songs left, how many songs did his I-pod have before he deleted some? **360 songs**
7. Today Diana discovered that she is four inches taller than she was a year ago. If Diana is 51 inches tall today, how tall was she at this time last year? **47 inches**
8. Write your own world problem. Then figure out the equation you would use as well as the solution. **Answers will vary**
9. Last week Howard had 26 dollars. He washed windows over the weekend and now has 52 dollars. How much money did he make washing windows? **\$26**
10. Nathan has 35 books in his library. He bought several books at a yard sale over the weekend. He now has 65 books in his library. How many books did he buy at the yard sale? **30 books**
11. There were 6 soccer balls in the bag. Coach B. found several additional soccer balls, and placed them in the bag. There are now 24 balls in the bag. How many soccer balls did he pick up? **18 soccer balls**