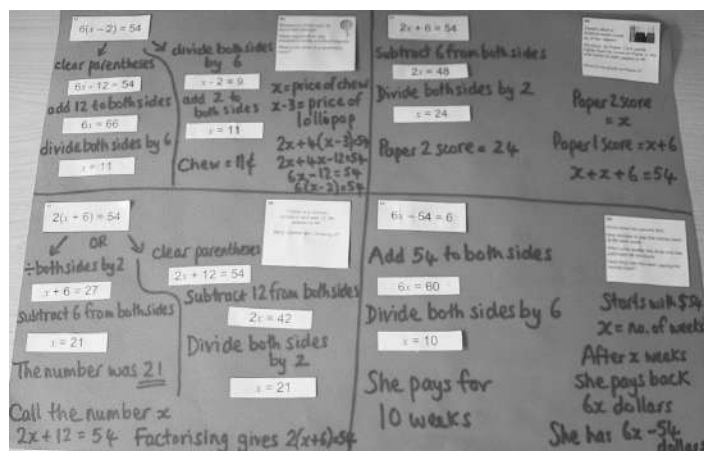# Solving Two Step Equations Project

Directions

1. Get into groups of no more than 2. (*Choose wisely*)
2. Each group is given 4 story problems.
3. Write an equation for each problem and then solve the equation.
4. Divide the poster board into 4 equal spaces.
   a. Each space in the poster board should have:
      i. The story problem.
      ii. The correct equation for the story problem.
      iii. The work on how to solve the equation.
      iv. Written directions on the steps taken to solve the problem.
5. Make sure each person in the group is equally participating.
6. Example:

Category	4	3	2	1
Required Elements	The poster includes all required elements as well as additional information.	All required elements are included on the poster.	All but 1 of the required elements are included on the poster.	Several required elements are missing.
Time on Task	All of the time in class was spent on task.	Most of the time in class was spent on task.	Less than half of the time in class was spent on task.	Little to no time in class was spent on task.
Attractiveness	The poster is exceptionally attractive in terms of design, layout and neatness.	The poster is attractive in terms of design, layout and neatness.	The poster is acceptably attractive though it may be a bit messy.	The poster is distractingly messy or very poorly designed. It is not attractive.
Story Problem/ Two Step Equation	Each story problem has the correct equation that represents the situation.	There is 1 mistake with the equation representing the story problem.	There are 2 mistakes with the equation representing the story problem	There is more than 2 mistakes with the equation representing the story problem
Two Step Equation Calculations	There are no mathematical mistakes on the poster.	There are 1-2 mathematical mistakes on the poster.	There are 3-4 mathematical mistakes on the poster.	There are more than 4 mathematical mistakes on the poster.

Circle which Group you participated in.

Group 1   Group 2   Group 3   Group 4   Group 5   Group 6

Show all your work for each story problem:

1.	2.	3.	4.

Rate Your Group Members

List Group Member Names:

On a scale of 1 – 4, with 4 being the best, rate how much participation was given from each group member.

_____   4   3   2   1

_____   4   3   2   1

_____   4   3   2   1

_____   4   3   2   1

Group 1

You had $22 to spend on four raffle tickets. After buying them you had $6 left. How much did each raffle ticket cost?	The Cooking Club made some pies to sell at a basketball game to raise money for the new math books. The cafeteria contributed two pies to the sale. Each pie was then cut into six pieces and sold. There were a total of 60 pieces to sell. How many pies did the club make?
James spent half of his weekly allowance on clothes. To earn more money his parents let him clean the oven for $8. What is his weekly allowance if he ended with $15?	304 students went on a field trip. Seven buses were filled and 17 students traveled in cars. How many students were in each bus?

Group 2

Jennifer had $24 to spend on five pens. After buying them she had $14. How much did each pen cost?	Ashley spent half of her weekly allowance playing mini-golf. To earn more money her parents let her wash the car for $9. What is her weekly allowance if she ended with $15?
The Baseball Team made some pies to sell during lunch to raise money for an end-of-year banquet. The cafeteria contributed two pies to the club. Each pie was then cut into four pieces and sold. There were a total of 36 pieces to sell. How many pies did the club make?	John won 72 pieces of gum playing hoops at the county fair. At school he gave four to every student in his math class. He only has 4 remaining. How many students are in his class?

Group 3

Maria had $22 to spend on five pencils. After buying them she had $12. How much did each pencil cost?	Daniel wanted to make note cards by cutting pieces of paper in half. Before starting he got three more pieces to use. When he was done he had 20 half-pieces of paper. With how many pieces did he start?
Beth sold half of her comic books and then bought nine more. She now has 28. With how many did she begin?	A wise man once said, "400 reduced by 3 times my age is 163." What is his age?

Group 4

Shanice won 88 pieces of gum playing the bean bag toss at the county fair. At school she gave four to every student in her math class. She only has 8 remaining. How many students are in her class?	Jenny had some candy to give to her three children. She first took nine pieces for herself and then evenly divided the rest among her children. Each child received three pieces. With how many pieces did she start?
Cody spent half of his weekly allowance on candy. To earn more money his parents let him wash the car for $7. What is his weekly allowance if he ended with $17?	John's Bike Shop rents bikes for $13.79 plus $4.57 per hour. Gabriella paid $45.78 to rent a bike. For how many hours did she rent the bike?

Group 5

Eugene spent $14 on a magazine and some candy bars. If the magazine cost $6 and each candy bar cost $2 then how many candy bars did he buy?	Shanice had $20 to spend on seven raffle tickets. After buying them she had $6. How much did each raffle ticket cost?
Eduardo sold half of his comic books and then bought nine more. He now has 27. With how many did he begin?	Sarah spent half of her weekly allowance at the movies. To earn more money her parents let her wash the dog for $4.70. What is her weekly allowance if she ended with $13.50?

Group 6

304 students went on a field trip. Seven buses were filled and 17 students traveled in cars. How many students were in each bus?	Shanice won 88 pieces of gum playing the bean bag toss at the county fair. At school she gave four to every student in her math class. She only has 8 remaining. How many students are in her class?
Danielle spent $35 on a magazine and some notepads. If the magazine cost $3 and each notepad cost $4 then how many notepads did she buy?	Jack won 122 pieces of gum playing hoops at the county fair. At school he gave four to every student in his math class. He only has 2 remaining. How many students are in his class?

231 students went on a field trip. Four buses were filled and 23 students traveled in cars. How many students were in each bus?	Robert sold half of his comic books and then bought five more. He now has 26. With how many did he begin?
Stefan spent half of his weekly allowance playing mini-golf. To earn more money his parents let him wash the dog for $8. What is his weekly allowance if he ended with $14?	Ted won 41 pieces of gum playing basketball at the county fair. At school he gave two to every student in his math class. He only has 9 remaining. How many students are in his class?

Group 7