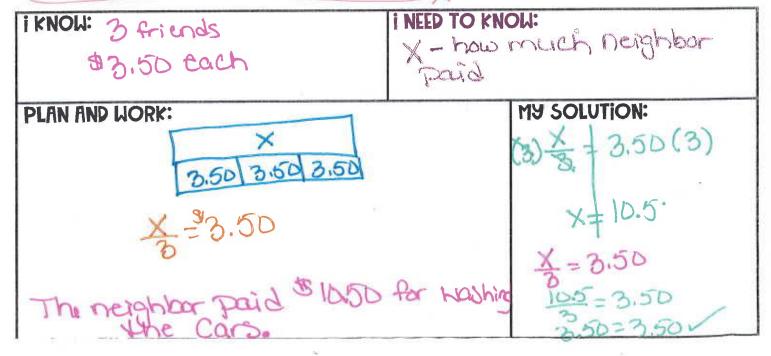
ONE-STEP EQUATIONS IN REAL-LIFE



1. The charge for a microwave repair visit was \$81.21, including tax. If the tax was \$6.70, then how much was the repair visit?

i KNOW: tax 6.70 total 8121	i NEED TO KNOW: X - how much Microwaver repair	
PLAN AND WORK: 81.21 Wind x Algebraic Sequation 1 x + 6.70 = 81.21	My SOLUTION: X+6.76 - 81.21 -6,76 - 6.70 X - 74.51	
The cost of the micronave Mefore tax was \$74.51.	14.51 +6.70=81.21 81.21=81.21	

2. On Friday afternoon Maggie and her two friends washed their neighbors cars in order to make some money. They split the payment equally and each walked away with \$3.50. How much did the neighbor pay them for washing the cars?





Read each problem, define a variable, write an equati	on, and solve for the missing number.
3. A fence surrounds two sides of the backyard. The total length of the fence is 86 feet, with the longest portion measuring 51.5 ft. What is the length of the second side?	4. A deck of cards was dealt equally among 6 players. Each player received 7 cards. How many cards were dealt?
Variable: $X = length 2^{rd} 3ide$ Equation: $X+51.5 = 8la$ Work: $X+51.5 = 8la$	Variable: X Cords dealt Equation: Work: X TTTTTT (a) X TM (b)
Check: X+51.5=86 86=86	Check: \(\frac{1}{6} = \frac{1}{7} = \frac{1}{7} \)
Target Statement: The Second Side	Target Statement: The Dumber of
5. The perimeter of a square measures 26 cm. What is the length of the square? Variable:	6. Your little sister is too small to stand on the scale. You decide to get on the scale with her and find your combined weight to be 112 pounds. You know that you weigh 94 pounds flow much does your little sister weigh?
Equation: X = 0 Lb Work: 3 5	Variable: X = 1144 5:35 Wught Equation: X+94 = 113 Work: X+94 = 113
Check: $4x = 36 \qquad X = 6.5$ $4(6.5) = 36$ $3 = 36$ Target Statement: Each 3 ide of	Check: X+94=112
the square equals 6.5cm.	Target Statement:

Unit: Equat	ions &	& !	Inequalities
Homework	5		

Name	
Date	Pd

ONE-STEP EQUATIONS IN REAL-LIFE

Complete the table below by defining a variable, writing an equation, and then solving.

PROBLEM	EQUATION	WORK/SOLUTION
1. Hank and his two friends are attending a concert. They purchase tickets and parking for a total of \$129.00. They decide it is easiest to split it evenly. How much does each person owe?	V:	7
2. A rectangle has an area of 135 ft². What is the length, if the width is 9 ft?	V:	
3. Jose has \$34 to spend at the Texas State Fair. If the entrance ticket costs \$12, then how much money does Jose have to spend on food and games?	V:	
4. Paul rode his bike 79 miles last month. He rode 23 miles during the last half of the month. How many miles did he ride during the first half of the month?	V:	
5. A wood beam is divided into four equal segments. Each segment measures 3.5 feet long. What is the length of the wood beam?	V:	