

# LESSON-3-ONE-STEP-EQUATION



Name \_\_\_\_\_ Date \_\_\_\_\_ Class Period \_\_\_\_\_

*Directions: Use the clues to solve each puzzle. To find the correct number, cross out the answer to each clue in the square that is accounted for. Your answer will be the number that is left.*

Integer Rules: The sum of any integer and its opposite is equal to zero. Adding two positive integers always yields a positive sum; adding two negative integers always yields a negative sum. To find the sum of a positive and a negative integer, take the absolute value of each integer and then subtract these values, use sign of the bigger absolute value.

-43	-14	-59
13	36	-45
-96	45	-42

1) It's not  $x - 16 = 20$  or  $x + 67 = 53$   
 It's not  $x + 58 = 16$  or  $x - 33 = -20$   
 It's not  $x + 25 = -71$  or  $x + 17 = -26$   
 It's not  $x - 33 = 12$  or  $x - 6 = -65$   
 What is the number? \_\_\_\_\_

12	-79	-76
-6	89	14
21	-40	-18

3) It's not  $x + 18 = 0$  or  $x + 29 = 23$   
 It's not  $x + 54 = -22$  or  $x - 53 = -41$   
 It's not  $x - 76 = 13$  or  $x + 55 = 15$   
 It's not  $x - 38 = -24$  or  $x + 28 = -51$   
 What is the number? \_\_\_\_\_

49	35	76
70	32	14
44	42	-77

2) It's not  $x - 84 = -14$  or  $x + 65 = 97$   
 It's not  $x + 24 = 68$  or  $x - 81 = -46$   
 It's not  $x + 66 = -11$  or  $x - 11 = 31$   
 It's not  $x - 35 = -21$  or  $x + 12 = 88$   
 What is the number? \_\_\_\_\_

84	-40	3
-5	19	-94
-77	57	50

4) It's not  $x + 61 = -16$  or  $x - 23 = 61$   
 It's not  $x + 47 = -47$  or  $x + 93 = 53$   
 It's not  $x - 95 = -45$  or  $x + 49 = 68$   
 It's not  $x + 88 = 91$  or  $x - 52 = -57$   
 What is the number? \_\_\_\_\_