

Name: _____ Date: _____ Period: _____

One-Step Equations

Solve each one-step equation using the inverse operation. **YOU MUST SHOW YOUR WORK ON BOTH SIDES TO RECEIVE CREDIT.** Find your answer in one of the three answer boxes and circle it.

1. $a - 17 = 8$			2. $-44 + b = -36$			3. $-2.5c = 20.5$		
$a = 9$ Red	$a = -25$ Purple	$a = 25$ Dark Blue	$b = 8$ Yellow	$b = -12$ Light Purple	$b = -8$ Light Green	$c = -8.2$ Pink	$c = 18$ Red	$c = -10$ Orange

4. $-219 = d - 176$			5. $-148 = 4e$			6. $\frac{f}{-30} = -6$		
$d = -395$ Light Green	$d = -43$ Brown	$d = -163$ Light Purple	$e = -37$ Light Green	$e = 37$ Blue	$e = -592$ Pink	$f = -24$ Green	$f = 5$ Black	$f = 180$ Gray

7. $5g = 31.35$			8. $\frac{1}{2}h = 43$			9. $k + 117 = -93$		
$g = 6.27$ Red	$g = 62.7$ Brown	$g = 627$ Orange	$h = 43.5$ Black	$h = 21.5$ Dark Blue	$h = 86$ Light Blue	$k = -210$ Orange	$k = 24$ Black	$k = 176$ Dark Green

10. $\frac{5}{8}m = 6$			11. $\frac{n}{-3} = 21$			12. $r + \frac{8}{9} = \frac{3}{4}$		
$m = 3\frac{3}{4}$ Green	$m = 6\frac{5}{8}$ Red	$m = 9\frac{3}{5}$ Black	$n = -21$ Red	$n = -63$ Purple	$n = 18$ Blue	$r = 1\frac{5}{9}$ Orange	$r = -\frac{5}{36}$ Dark Green	$r = \frac{5}{36}$ Yellow