

# Solving Simple Equations - The Balancing Method

Example:

Inverse operations!  
 Subtract 7 from **both**  
 sides of the equation  
 to keep the scales  
 Balanced.

$a + 7 = 13$

$a = 6$

$a - 4 = 10$

$a =$  \_\_\_\_\_

$b + 6 = 14$

$b =$  \_\_\_\_\_

$c - 2 = 22$

$c =$  \_\_\_\_\_

$d + 16 = 22$

$d =$  \_\_\_\_\_

$e + 3 = 27$

$e =$  \_\_\_\_\_

$2f = 22$

$f =$  \_\_\_\_\_

$2g = 18$

$g =$  \_\_\_\_\_

$5h = 35$

$h =$  \_\_\_\_\_

$10i = 60$

$i =$  \_\_\_\_\_

$2j = 13$

$j =$  \_\_\_\_\_

$4k = 22$

$k =$  \_\_\_\_\_

$10l = 35$

$l =$  \_\_\_\_\_

$m \div 2 = 10$

$m =$  \_\_\_\_\_

$n \div 3 = 8$

$n =$  \_\_\_\_\_

$p \div 6 = 7$

$p =$  \_\_\_\_\_

$q \div 8 = 6$

$q =$  \_\_\_\_\_

$r \div 9 = 7$

$r =$  \_\_\_\_\_

$s^2 = 100$

$s =$  \_\_\_\_\_