

Simple Equations with One Variable

Name: _____

Date: _____

Instructions: Solve each equation to find the value of the unknown variable. Show your working.

Section A: Addition Equations

1. $x + 5 = 12$

x = _____

2. $y + 8 = 20$

y = _____

3. $a + 15 = 27$

a = _____

4. $m + 6 = 18$

m = _____

5. $b + 11 = 25$

b = _____

6. $n + 9 = 30$

n = _____

Section B: Subtraction Equations

7. $x - 4 = 10$

x = _____

8. $y - 7 = 15$

y = _____

9. $p - 12 = 8$

p = _____

10. $c - 5 = 19$

c = _____

11. $d - 14 = 6$

d = _____

12. $k - 9 = 21$

k = _____

Section C: Mixed Practice

13. $t + 13 = 35$

14. $w - 8 = 17$

$t = \underline{\hspace{2cm}}$

$w = \underline{\hspace{2cm}}$

15. $r + 16 = 40$

$r = \underline{\hspace{2cm}}$

16. $s - 11 = 14$

$s = \underline{\hspace{2cm}}$