

Name _____

Score: _____

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 85 = 97$

$a =$ _____

2. $63 - c = 33$

$c =$ _____

3. $10 + 49 = y$

$y =$ _____

4. $\frac{54}{d} = 6$

$d =$ _____

5. $9z = 45$

$z =$ _____

6. $\frac{t}{5} = 9$

$t =$ _____

7. $6b = 78$

$b =$ _____

8. $52 - g = 36$

$g =$ _____

9. $65 + r = 77$

$r =$ _____

10. $v - 23 = 66$

$v =$ _____

11. $\frac{88}{8} = m$

$m =$ _____

12. $3s = 87$

$s =$ _____

13. $\frac{16}{h} = 4$

$h =$ _____

14. $44 + 11 = q$

$q =$ _____

15. $\frac{169}{j} = 13$

$j =$ _____

16. $19 + f = 35 - 9$

$f =$ _____

17. $17 + 37 = 2d$

$d =$ _____

Name _____

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Basic Algebra **ANSWER KEY**



Determine the value of the variable in each equation.

1. $a + 85 = 97$

$a = 12$

2. $63 - c = 33$

$c = 30$

3. $10 + 49 = y$

$y = 59$

4. $\frac{54}{d} = 6$

$d = 9$

5. $9z = 45$

$z = 5$

6. $\frac{t}{5} = 9$

$t = 45$

7. $6b = 78$

$b = 13$

8. $52 - g = 36$

$g = 16$

9. $65 + r = 77$

$r = 12$

10. $v - 23 = 66$

$v = 89$

11. $\frac{88}{8} = m$

$m = 11$

12. $3s = 87$

$s = 29$

13. $\frac{16}{h} = 4$

$h = 4$

14. $44 + 11 = q$

$q = 55$

15. $\frac{169}{j} = 13$

$j = 13$

16. $19 + f = 35 - 9$

$f = 7$

17. $17 + 37 = 2d$

$d = 27$