

Name _____

Score: _____

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 15 = 25$

$a =$ _____

2. $100 - c = 35$

$c =$ _____

3. $20 + 58 = y$

$y =$ _____

4. $\frac{80}{d} = 4$

$d =$ _____

5. $12z = 96$

$z =$ _____

6. $\frac{t}{6} = 8$

$t =$ _____

7. $45b = 225$

$b =$ _____

8. $90 - g = 30$

$g =$ _____

9. $125 + r = 150$

$r =$ _____

10. $v - 67 = 30$

$v =$ _____

11. $\frac{12}{3} = m$

$m =$ _____

12. $10s = 101$

$s =$ _____

13. $\frac{55}{h} = 5$

$h =$ _____

14. $17 + 83 = q$

$q =$ _____

15. $\frac{18}{j} = 2$

$j =$ _____

16. $85 + f = 45 - 15$

$f =$ _____

17. $22 + 50 = 6d$

$d =$ _____

Name _____

Score: _____

Basic Algebra ANSWER KEY



Determine the value of the variable in each equation.

1. $a + 15 = 25$

$a = 10$

2. $100 - c = 35$

$c = 65$

3. $20 + 58 = y$

$y = 78$

4. $\frac{80}{d} = 4$

$d = 20$

5. $12z = 96$

$z = 8$

6. $\frac{t}{6} = 8$

$t = 48$

7. $45b = 225$

$b = 5$

8. $90 - g = 30$

$g = 60$

9. $125 + r = 150$

$r = 25$

10. $v - 67 = 30$

$v = 97$

11. $\frac{12}{3} = m$

$m = 4$

12. $10s = 101$

$s = 10.1$

13. $\frac{55}{h} = 5$

$h = 11$

14. $17 + 83 = q$

$q = 100$

15. $\frac{18}{j} = 2$

$j = 9$

16. $85 + f = 45 - 15$

$f = 55$

17. $22 + 50 = 6d$

$d = 12$