

Name: \_\_\_\_\_

## Basic Algebra



Determine the value of the variable in each equation.

1.  $a + 5 = 9$

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

2.  $15 - c = 12$

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

3.  $9 + 15 = y$

$y =$  \_\_\_\_\_

4.  $\frac{45}{d} = 5$

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

5.  $10z = 100$

$z =$  \_\_\_\_\_

6.  $\frac{t}{7} = 8$

$t =$  \_\_\_\_\_

7.  $6b = 66$

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

8.  $20 - g = 6$

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

9.  $3 + r = 18$

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

10.  $v - 14 = 26$

$v =$  \_\_\_\_\_

11.  $\frac{48}{4} = m$

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

12.  $3s = 9$

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

13.  $\frac{16}{h} = 1$

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

14.  $15 + 12 = q$

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

15.  $\frac{121}{j} = 11$

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

★  $4 + f = 13 - 2$

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

★  $5 + 3 = 4d$

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

# ANSWER KEY

## Basic Algebra



Determine the value of the variable in each equation.

1.  $a + 5 = 9$

$a = 4$

2.  $15 - c = 12$

$c = 3$

3.  $9 + 15 = y$

$y = 24$

4.  $\frac{45}{d} = 5$

$d = 9$

5.  $10z = 100$

$z = 10$

6.  $\frac{t}{7} = 8$

$t = 56$

7.  $6b = 66$

$b = 11$

8.  $20 - g = 6$

$g = 14$

9.  $3 + r = 18$

$r = 15$

10.  $v - 14 = 26$

$v = 40$

11.  $\frac{48}{4} = m$

$m = 12$

12.  $3s = 9$

$s = 3$

13.  $\frac{16}{h} = 1$

$h = 16$

14.  $15 + 12 = q$

$q = 27$

15.  $\frac{121}{j} = 11$

$j = 11$

★  $4 + f = 13 - 2$

$f = 7$

★  $5 + 3 = 4d$

$d = 2$