

Name \_\_\_\_\_

Score: \_\_\_\_\_

# Basic Algebra



Determine the value of the variable in each equation.

1.  $a + 16 = 62$

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

2.  $40 - c = 37$

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

3.  $19 + 19 = y$

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

4.  $\frac{39}{d} = 3$

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

5.  $5z = 65$

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

6.  $\frac{t}{7} = 5$

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

7.  $7b = 91$

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

8.  $91 - g = 44$

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

9.  $74 + r = 85$

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

10.  $v - 34 = 50$

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

11.  $\frac{99}{9} = m$

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

12.  $8s = 96$

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

13.  $\frac{39}{h} = 13$

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

14.  $9 + 32 = q$

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

15.  $\frac{150}{j} = 15$

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

16.  $12 + f = 27 - 3$

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

17.  $18 + 21 = 3d$

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

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# Basic Algebra **ANSWER KEY**



Determine the value of the variable in each equation.

1.  $a + 16 = 62$

$a = 46$

2.  $40 - c = 37$

$c = 3$

3.  $19 + 19 = y$

$y = 38$

4.  $\frac{39}{d} = 3$

$d = 13$

5.  $5z = 65$

$z = 13$

6.  $\frac{t}{7} = 5$

$t = 35$

7.  $7b = 91$

$b = 13$

8.  $91 - g = 44$

$g = 47$

9.  $74 + r = 85$

$r = 11$

10.  $v - 34 = 50$

$v = 84$

11.  $\frac{99}{9} = m$

$m = 11$

12.  $8s = 96$

$s = 12$

13.  $\frac{39}{h} = 13$

$h = 3$

14.  $9 + 32 = q$

$q = 41$

15.  $\frac{150}{j} = 15$

$j = 10$

16.  $12 + f = 27 - 3$

$f = 12$

17.  $18 + 21 = 3d$

$d = 13$