

Name \_\_\_\_\_

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

# Basic Algebra



Determine the value of the variable in each equation.

1.  $a + 11 = 30$

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

2.  $50 - c = 24$

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

3.  $18 + 82 = y$

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

4.  $\frac{95}{d} = 5$

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

5.  $11z = 88$

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

6.  $\frac{t}{9} = 8$

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

7.  $30b = 180$

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

8.  $85 - g = 50$

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

9.  $85 + r = 90$

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

10.  $v - 55 = 15$

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

11.  $\frac{81}{9} = m$

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

12.  $6s = 114$

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

13.  $\frac{49}{h} = 7$

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

14.  $15 + 75 = q$

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

15.  $\frac{100}{j} = 20$

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

16.  $40 + f = 60 - 10$

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

17.  $24 + 24 = 12d$

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

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# Basic Algebra **ANSWER KEY**



Determine the value of the variable in each equation.

1.  $a + 11 = 30$

$a = 19$

2.  $50 - c = 24$

$c = 26$

3.  $18 + 82 = y$

$y = 100$

4.  $\frac{95}{d} = 5$

$d = 19$

5.  $11z = 88$

$z = 8$

6.  $\frac{t}{9} = 8$

$t = 72$

7.  $30b = 180$

$b = 6$

8.  $85 - g = 50$

$g = 35$

9.  $85 + r = 90$

$r = 5$

10.  $v - 55 = 15$

$v = 70$

11.  $\frac{81}{9} = m$

$m = 9$

12.  $6s = 114$

$s = 19$

13.  $\frac{49}{h} = 7$

$h = 7$

14.  $15 + 75 = q$

$q = 90$

15.  $\frac{100}{j} = 20$

$j = 5$

16.  $40 + f = 60 - 10$

$f = 10$

17.  $24 + 24 = 12d$

$d = 4$