

Name _____

Score: _____

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 18 = 40$

$a =$ _____

2. $24 - c = 16$

$c =$ _____

3. $49 + 12 = y$

$y =$ _____

4. $\frac{66}{d} = 6$

$d =$ _____

5. $11z = 132$

$z =$ _____

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

$t =$ _____

7. $9b = 72$

$b =$ _____

8. $36 - g = 19$

$g =$ _____

9. $19 + r = 45$

$r =$ _____

10. $v - 35 = 50$

$v =$ _____

11. $\frac{75}{15} = m$

$m =$ _____

12. $2s = 36$

$s =$ _____

13. $\frac{55}{h} = 11$

$h =$ _____

14. $38 + 21 = q$

$q =$ _____

15. $\frac{250}{j} = 10$

$j =$ _____

16. $34 + f = 75 - 15$

$f =$ _____

17. $34 + 16 = 10d$

$d =$ _____

Name _____

Score: _____

Basic Algebra **ANSWER KEY**



Determine the value of the variable in each equation.

1. $a + 18 = 40$

$a = 22$

2. $24 - c = 16$

$c = 8$

3. $49 + 12 = y$

$y = 61$

4. $\frac{66}{d} = 6$

$d = 11$

5. $11z = 132$

$z = 12$

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

$t = 42$

7. $9b = 72$

$b = 8$

8. $36 - g = 19$

$g = 17$

9. $19 + r = 45$

$r = 26$

10. $v - 35 = 50$

$v = 85$

11. $\frac{75}{15} = m$

$m = 5$

12. $2s = 36$

$s = 18$

13. $\frac{55}{h} = 11$

$h = 5$

14. $38 + 21 = q$

$q = 59$

15. $\frac{250}{j} = 10$

$j = 25$

16. $34 + f = 75 - 15$

$f = 26$

17. $34 + 16 = 10d$

$d = 5$