

Name _____

Score: _____

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 11 = 41$

$a =$ _____

2. $129 - c = 101$

$c =$ _____

3. $19 + 14 = y$

$y =$ _____

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

$d =$ _____

5. $13z = 104$

$z =$ _____

6. $\frac{t}{7} = 2$

$t =$ _____

7. $55b = 330$

$b =$ _____

8. $80 - g = 44$

$g =$ _____

9. $199 + r = 210$

$r =$ _____

10. $v - 50 = 15$

$v =$ _____

11. $\frac{21}{3} = m$

$m =$ _____

12. $21s = 63$

$s =$ _____

13. $\frac{66}{h} = 33$

$h =$ _____

14. $18 + 96 = q$

$q =$ _____

15. $\frac{42}{j} = 3$

$j =$ _____

16. $30 + f = 10 - 3$

$f =$ _____

17. $56 + 24 = 10d$

$d =$ _____

Name _____

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Basic Algebra **ANSWER KEY**



Determine the value of the variable in each equation.

1. $a + 11 = 41$

$a = 30$

2. $129 - c = 101$

$c = 28$

3. $19 + 14 = y$

$y = 33$

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

$d = 19$

5. $13z = 104$

$z = 8$

6. $\frac{t}{7} = 2$

$t = 14$

7. $55b = 330$

$b = 6$

8. $80 - g = 44$

$g = 36$

9. $199 + r = 210$

$r = 11$

10. $v - 50 = 15$

$v = 65$

11. $\frac{21}{3} = m$

$m = 7$

12. $21s = 63$

$s = 3$

13. $\frac{66}{h} = 33$

$h = 2$

14. $18 + 96 = q$

$q = 114$

15. $\frac{42}{j} = 3$

$j = 14$

16. $30 + f = 10 - 3$

$f = 23$

17. $56 + 24 = 10d$

$d = 8$