

Name _____

Score: _____

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 19 = 68$

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

2. $75 - c = 49$

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

3. $17 + 57 = y$

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

4. $\frac{85}{d} = 10$

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

5. $15z = 90$

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

6. $\frac{t}{12} = 7$

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

7. $11b = 176$

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

8. $84 - g = 13$

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

9. $39 + r = 51$

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

10. $v - 29 = 40$

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

11. $\frac{18}{3} = m$

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

12. $2s = 98$

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

13. $\frac{85}{h} = 17$

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

14. $19 + 71 = q$

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

15. $\frac{51}{j} = 3$

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

16. $33 + f = 60 - 5$

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

17. $36 + 29 = 5d$

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

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Basic Algebra **ANSWER KEY**



Determine the value of the variable in each equation.

1. $a + 19 = 68$

$a = 49$

2. $75 - c = 49$

$c = 26$

3. $17 + 57 = y$

$y = 74$

4. $\frac{85}{d} = 10$

$d = 8.5$

5. $15z = 90$

$z = 6$

6. $\frac{t}{12} = 7$

$t = 84$

7. $11b = 176$

$b = 16$

8. $84 - g = 13$

$g = 71$

9. $39 + r = 51$

$r = 12$

10. $v - 29 = 40$

$v = 69$

11. $\frac{18}{3} = m$

$m = 6$

12. $2s = 98$

$s = 49$

13. $\frac{85}{h} = 17$

$h = 5$

14. $19 + 71 = q$

$q = 90$

15. $\frac{51}{j} = 3$

$j = 17$

16. $33 + f = 60 - 5$

$f = 22$

17. $36 + 29 = 5d$

$d = 13$