

Name: _____

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 5 = 9$

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

2. $15 - c = 12$

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

3. $9 + 15 = y$

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

4. $\frac{45}{d} = 5$

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

5. $10z = 100$

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

6. $\frac{t}{7} = 8$

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

7. $6b = 66$

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

8. $20 - g = 6$

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

9. $3 + r = 18$

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

10. $v - 14 = 26$

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

11. $\frac{48}{4} = m$

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

12. $3s = 9$

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

13. $\frac{16}{h} = 1$

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

14. $15 + 12 = q$

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

15. $\frac{121}{j} = 11$

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

★. $4 + f = 13 - 2$

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

★. $5 + 3 = 4d$

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

ANSWER KEY

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 5 = 9$

$a = \underline{4}$

2. $15 - c = 12$

$c = \underline{3}$

3. $9 + 15 = y$

$y = \underline{24}$

4. $\frac{45}{d} = 5$

$d = \underline{9}$

5. $10z = 100$

$z = \underline{10}$

6. $\frac{t}{7} = 8$

$t = \underline{56}$

7. $6b = 66$

$b = \underline{11}$

8. $20 - g = 6$

$g = \underline{14}$

9. $3 + r = 18$

$r = \underline{15}$

10. $v - 14 = 26$

$v = \underline{40}$

11. $\frac{48}{4} = m$

$m = \underline{12}$

12. $3s = 9$

$s = \underline{3}$

13. $\frac{16}{h} = 1$

$h = \underline{16}$

14. $15 + 12 = q$

$q = \underline{27}$

15. $\frac{121}{j} = 11$

$j = \underline{11}$

★. $4 + f = 13 - 2$

$f = \underline{7}$

★. $5 + 3 = 4d$

$d = \underline{2}$