

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.

$\frac{t}{7} = 9$

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

7.

$15 = 11$

8.

$20 = 7$

9.

$3 =$

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

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

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

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

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

★ $4 + f = 13 - 2$

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

★ $5 + 3 = 4d$

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

PREVIEW

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ANSWER KEY

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 5 = 9$

$a = 4$

2. $15 - c = 12$

$c = 3$

3. $9 + 15 = y$

$y = 24$

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

$d = 9$

5. $10z = 100$

$z = 10$

6.

t =



~ PREVIEW ~

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9. $3 + r = 18$

$r = 15$

10. $v - 14 = 26$

$v = 40$

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

$m = 12$

12. $3s = 9$

$s = 3$

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

$h = 16$

14. $15 + 12 = q$

$q = 27$

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

$j = 11$

★ $4 + f = 13 - 2$

$f = 7$

★ $5 + 3 = 4d$

$d = 2$