

Name _____

Score: _____

Basic Algebra



Determine the value of the variable in each equation.

1. $a + 8 = 32$

$a =$ _____

2. $10 - c = 6$

$c =$ _____

3. $21 + 10 = y$

$y =$ _____

4. $\frac{48}{d} = 4$

$d =$ _____

5. $15z = 135$

$z =$ _____

6. $\frac{t}{8} = 3$

$t =$ _____

7. $8b = 32$

$b =$ _____

8. $21 - g = 9$

$g =$ _____

9. $11 + r = 29$

$r =$ _____

10. $v - 21 = 44$

$v =$ _____

11. $\frac{49}{7} = m$

$m =$ _____

12. $8s = 40$

$s =$ _____

13. $\frac{14}{h} = 7$

$h =$ _____

14. $30 + 17 = q$

$q =$ _____

15. $\frac{196}{j} = 14$

$j =$ _____

16. $10 + f = 34 - 9$

$f =$ _____

17. $19 + 6 = 5d$

$d =$ _____

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Basic Algebra **ANSWER KEY**



Determine the value of the variable in each equation.

1. $a + 8 = 32$

$a = 24$

2. $10 - c = 6$

$c = 4$

3. $21 + 10 = y$

$y = 31$

4. $\frac{48}{d} = 4$

$d = 12$

5. $15z = 135$

$z = 9$

6. $\frac{t}{8} = 3$

$t = 24$

7. $8b = 32$

$b = 4$

8. $21 - g = 9$

$g = 12$

9. $11 + r = 29$

$r = 18$

10. $v - 21 = 44$

$v = 65$

11. $\frac{49}{7} = m$

$m = 7$

12. $8s = 40$

$s = 5$

13. $\frac{14}{h} = 7$

$h = 2$

14. $30 + 17 = q$

$q = 47$

15. $\frac{196}{j} = 14$

$j = 14$

16. $10 + f = 34 - 9$

$f = 15$

17. $19 + 6 = 5d$

$d = 5$