

Multiplication Algebra Worksheet

Name: _____ Date: _____

Directions: Solve each equation.

Part A: Solve for the Variable

1. $3x = 12$
2. $5a = 30$
3. $4y = 28$
4. $6n = 54$
5. $7b = 56$
6. $8m = 64$
7. $9p = 81$
8. $10x = 90$
9. $11k = 66$
10. $12c = 144$

Part B: More Multiplication Equations

11. $2x = 18$
12. $15a = 45$
13. $14y = 98$
14. $13n = 104$
15. $6b = 42$

Part C: Algebra Expressions

21. $x \times 4 = 20$
22. $7a = 49$
23. $12y = 60$
24. $15n = 90$
25. $11b = 121$

Part D: Word Problems

26. A number multiplied by 6 equals 48.
27. A number multiplied by 9 equals 72.
28. A number multiplied by 14 equals 112.
29. A number multiplied by 10 equals 70.
30. A number multiplied by 13 equals 65.

Part E: Challenge Problems

31. $3x = 3 \times 12$
32. $6a = 6 \times 8$
33. $5y = 5 \times 9$
34. $4n = 4 \times 15$
35. $7b = 7 \times 11$

36. $2x = 14$
37. $10a = 150$
38. $12y = 96$
39. $15n = 105$
40. $9b = 54$