

CHAPTER

11

Family Fun

Four in a Row Equations

Directions

- Each player should create a 4-by-4 grid as shown.
- Have each player write the equations below in any order in each one of the squares in the grid.

$x = 0$

$x = 1$

$x = 2$

$x = 3$

$x = 4$

$x = 5$

$x = 6$

$x = 7$

$x = 8$

$x = -1$

$x = -2$

$x = -3$

$x = -4$

$x = -5$

$x = -6$

$x = -7$

- Each player will work out problems 1 to 16 in the order in which they appear. If the player finds the solution on his or her grid, the player will color in the corresponding square.
- The first player to color in four squares in a row, column, or diagonal wins the game.

1. $-5x + 1 = -15 + 1$

2. $3 = 5 - 2x$

3. $3x = 4x - 8$

4. $11(x + 4) = 44$

5. $-23 = 4x + 3x + 5$

6. $7x + 1 - 3x = 9$

7. $-15x + 1 = -13x + 15$

8. $3(x - 4) = 5x$

9. $\frac{5x}{7} + \frac{12}{7} = \frac{2}{7}$

10. $\frac{x-8}{3} = -3$

11. $9(2x) = 4x + 21 + 3x + 23$

12. $2x + 1 = 4x + 7$

13. $\frac{2x+60}{4} = 3x$

14. $\frac{3}{8} + \frac{x}{8} = \frac{10}{8}$

15. $5 - (x + 2) = -2x - 2$

16. $2x - 5 = x$