Four in a Row
(Version 1)

Game 16, pg. 50 (Derived Fact Strategies - Addition and Subtraction)

Game Goal: Be the first player to get 4 counters in a row.

Materials: one shared Four in a Row Version 1 gameboard (6x6 grid with numbers 0-18), two 10-sided dice (or 0-9 deck of cards), two colors of counters (or two colors of dry-erase markers if board is laminated), one recording sheet per player

How to Play (2 players):

1. Player 1 rolls both dice (or draws 2 cards) and calculates the sum. Player 1 states the answer and shares the thinking strategy used.

2. Both players decide if the sum is correct. Once they agree it is correct, Player 1 records the equation on their recording sheet.

3. If the number is available, Player 1 covers it with a counter. Only one square may be covered on each turn, and a counter cannot be moved once played.

4. Repeat steps 1-3 for Player 2.

5. Play continues until a player gets four in a row (horizontally, vertically, or diagonally).

Game in Action:

15	5	8	12	17	2
10	0	8	6	13	11
9	10	6	1	9	16
4	7	5	8	11	10
5	12	9	13	7	11
3	14	12	14	15	18

I have 9 and 7. I'm going to pretend the 9 is a 10. I know 10 and 7 is 17, so my answer is one less. I'll cover 16.

Variations: Vary card deck and/or dice and fill in a blank gameboard accordingly.
- Use two 1-6 dice and fill board with numbers 2-12.
- Use 0-10 deck of cards and fill board with numbers 0-20.
- Customize dice so one die is only 8s and 9s and the other is 1-6. Fill board with 9-15.

Four in a Row
(Version 2)

Game 16, pg. 50 (Derived Fact Strategies - Addition and Subtraction)

Game Goal: Be the first player to get 4 counters in a row.

Materials: one shared Four in a Row Version 2 gameboard (6x6 grid with numbers 0-18 and row of addends at the bottom), two colors of counters (or two colors of dry-erase markers if board is laminated), two paper clips, one recording sheet for per player

How to Play (2 players):

1. Player 1 chooses any 2 addends from the bottom list and marks them with the two paper clips (both paper clips may be placed on the same number). Player 1 states the sum and shares the thinking strategy used.

2. Both players decide if the sum is correct. Once they agree it is correct, Player 1 records the equation on their recording sheet and covers the sum with a counter.

3. Player 2 moves exactly ONE of the paper clips to a new addend. Player 2 states the sum and shares the thinking strategy used.

4. Both players decide if the sum is correct. Once they agree it is correct, Player 2 records the equation on their recording sheet and covers the sum with a counter.

5. Play continues, with each player moving exactly ONE paper clip each turn. Only one square may be covered on each turn, and a counter cannot be moved once played. If the sum is not available, the player loses that turn.

6. Play continues until a player gets four in a row (horizontally, vertically, or diagonally).

Game in Action:

I'm going to move the paper clip from 6 to 9. I know 9+3 is 12 because 9+3 is the same as 10+2. I'll cover 12.

15	5	8	12	17	2
10	0	8	6	13	11
9	10	6	1	9	16
4	7	5	8	11	10
5	12	9	13	7	11
3	14	12	14	15	18

Addends

0	1	2	3	4	5	6	7	8	9