BLM 3 – *Playing the Stick Game*

You will need a set of 4 sticks (e.g., popsicle sticks), coloured or patterned on one side and plain on the other. The patterned side is the "up" side when you are playing the game.

Hold the sticks in one hand and let them fall to the table. In taking turns play continues until the first person reaches a tally of 50 points. Keep track of the score in the table provided. The first person to reach 50 points wins.

Scoring

- All 4 up — 5 points
- 3 up and 1 down — 2 points
- 2 up and 2 down — 1 point
- 1 up and 3 down — 2 points
- All 4 down — 5 points

Search and Discuss: Combinations vs. Arrangements

Just from experience playing the game, about how many different *arrangements* of the sticks did you see? Describe some of the *combinations*.

	Player 1	Player 2	Player 3