

Settlers of Catan: Initial Settlement Placement

By Kliff

Settlers of Catan is a resource management game where you receive resources from dice rolls which you can use to build the roads and buildings you need to win the game.

6 different types of hex tiles (19 tiles total) which are arranged randomly on the game map, 5 of which correspond to resources and one desert. Numbers 2, 3, 3, 4, 4, 5, 5, 6, 6, 8, 8, 9, 9, 10, 10, 11, 11, 12 placed on top in a specific order (but the location of the desert changes the exact combinations possible).

Settlements can be placed on the vertices of hexes (touching up to 3 hexes at once) but must be two edges away from any other settlement. On every turn a dice roll determines what resources players get, based on the hexes adjacent to their settlements (if a 4 is rolled, anyone with a settlement touching one of the '4' hexes gets the resource indicated on that hex). Ideally you want access to all 5 resources, but can make do with trading, especially if you have access to a limited resource.

Example Game Map

Dice Probabilities	
2, 12	2.77%
3, 11	5.55%
4, 10	8.33%
5, 9	11.11%
6, 8	13.88%
7	16.66%



What is the best starting placement for your two initial settlements for this map?