

Symbol Mapping

Carrier --> "C"

BattleShip --> "B"

Cruiser --> "R"

Submarine --> "S"

Destroyer --> "D"

Hit --> "X"

Miss --> "O"

Sizes

Destroyer --> 5

Cruiser --> 4

BattleShip --> 3

Submarine --> 3

Carrier --> 2

Ship Directions

Up

Down

Left

Right

Placement

For a ship position to be valid, it must fit entirely on the board

Number of Ships per Grid Size

For a 10 x 10 grid, randomly choose a number between 4-6 (inclusive) and place that many ships.

For a 9 x 9 grid, randomly choose a number between 3-5

For an 8 x 8 grid, randomly choose a number between 3-5

For a 7 x 7 grid, randomly choose a number between 2-3

For a 6 x 6 grid, randomly choose a number between 2-3

For a 5 x 5 grid, randomly choose a number between 1-2