**Battleship Rules**

**Goal:** To sink all of your opponent’s ships by correctly guessing their coordinates.

**Materials**
- 1 grid sheet (per person/per game)
- Red crayon/marker for hits
- Black crayon/marker for misses
- Folder to place between players

**Ships**
- Each player must mark 5 ships on the grid.
  - Aircraft carrier—plot 5 points.
  - Battleship—plot 4 points.
  - Cruiser—plot 3 points.
  - Submarine—plot 3 points.
  - Patrol boat—plot 2 points.

**Setup**
- With your opponent, choose a unit length and fractional unit for the coordinate plane.
- Label the chosen units on both grid sheets.
- Secretly select locations for each of the 5 ships on your My Ships grid.
  - All ships must be placed horizontally or vertically on the coordinate plane.
  - Ships can touch each other, but they may not occupy the same coordinate.

**Play**
- Players take turns firing one shot to attack enemy ships.
- On your turn, call out the coordinates of your attacking shot. Record the coordinates of each attack shot.
- Your opponent checks his/her My Ships grid. If that coordinate is unoccupied, your opponent says, “Miss.” If you named a coordinate occupied by a ship, your opponent says, “Hit.”
- Mark each attempted shot on your Enemy Ships grid. Mark a black ✗ on the coordinate if your opponent says, “Miss.” Mark a red ✓ on the coordinate if your opponent says, “Hit.”
- On your opponent’s turn, if he/she hits one of your ships, mark a red ✓ on that coordinate of your My Ships grid. When one of your ships has every coordinate marked with a ✓, say, “You’ve sunk my [name of ship].”

**Victory**
- The first player to sink all (or the most) opposing ships, wins.
Lesson 4 Problem Set

My Ships

- Draw a red ✓ over any coordinate your opponent hits.
- Once all of the coordinates of any ship have been hit, say, “You’ve sunk my [name of ship].”

Enemy Ships

- Aircraft carrier—5 points
- Battleship—4 points
- Cruiser—3 points
- Submarine—3 points
- Patrol boat—2 points

Attack Shots

- Record the coordinates of each shot below and whether it was a ✓ (hit) or an ✗ (miss).

( , ) ( , )
( , ) ( , )
( , ) ( , )
( , ) ( , )
( , ) ( , )
( , ) ( , )
( , ) ( , )
( , ) ( , )
( , ) ( , )