Goal: Understand how the Banszhaf Power Index is Calculated

1. Review: Answer questions about the weighted voting system below.

[67; 50, 30, 10, 5, 4, 1].

- (a) How many players are there?
- (b) What is the quota? _____
- (c) What is the total vote?
- (d) Is there a dictator? Explain.

(e) Does any player have veto power? If so, find them and justify your conclusion.

(f) Are there any dummy players? If so, find them and justify your conclusion.

2. New Terminology

Day 2

3. Answer questions about the weighted voting system below.

[30;25,10,5]

(a) List **ALL** coalitions.

(b) List all **WINNING** coalitions.

(c) In each **winning** coalition, identify which players are critical.

(d) Calculating the Banzhaf Power index.