

Due Date:

Name \_\_\_\_\_

Group \_\_\_\_\_

## Voting Assignment

In this assignment, you will collect data from your classmates, friends, and/or families and analyze the data based on some of the voting methods we have learned in class (plurality, majority, majority with elimination, Borda count, and Condorcet).

You will check in with the teacher after every step.

### Step 1: Choose a topic that interests you.

Ex: hockey

My topic is: \_\_\_\_\_

Teacher initials \_\_\_\_\_

### Step 2: Develop a question with a list of answers people will rank.

Ex: Put the following list of hockey teams in order from your favorite to your least favorite:  
Detroit Red Wings, Ottawa Senators, Montreal Canadiens, Boston Bruins

My question is: \_\_\_\_\_

The possible answers are: \_\_\_\_\_

\_\_\_\_\_

Teacher initials \_\_\_\_\_

Step 3: Gather data from classmates, friends, and/or family members. You must ask at least 25 people. Keep track of the rankings each person gives you on the Data Tracking Sheet.

Teacher initials \_\_\_\_\_

**Step 4: Organize your data into a table based on the responses you received** (your table may have many columns).

Make your table on a new sheet of paper. You may type it or draw it. Staple the table to this assignment.

Ex:

	10	5	3	2	8	12
1 <sup>st</sup> choice	Detroit	Detroit	Ottawa	Boston	Ottawa	Montreal
2 <sup>nd</sup> choice	Ottawa	Montreal	Detroit	Detroit	Detroit	Ottawa
3 <sup>rd</sup> choice	Montreal	Ottawa	Montreal	Ottawa	Boston	Detroit
4 <sup>th</sup> choice	Boston	Boston	Boston	Montreal	Montreal	Boston

Teacher initials \_\_\_\_\_

**Step 5: Use the following methods to analyze your data:**

- a) Plurality
- b) Majority
- c) Majority with elimination
- d) Borda count
- e) Condorcet

Use the Analysis Sheet to show your work.

Teacher initials \_\_\_\_\_

**Step 6: Using the results from Step 5, which option would you say is the overall winner? Why?**

Teacher initials \_\_\_\_\_

### Data Tracking Sheet

	1 <sup>st</sup> choice	2 <sup>nd</sup> choice	3 <sup>rd</sup> choice	4 <sup>th</sup> choice
Person 1				
Person 2				
Person 3				
Person 4				
Person 5				
Person 6				
Person 7				
Person 8				
Person 9				
Person 10				
Person 11				
Person 12				
Person 13				
Person 14				
Person 15				
Person 16				
Person 17				
Person 18				
Person 19				
Person 20				
Person 21				
Person 22				
Person 23				
Person 24				
Person 25				

**Analysis Sheet**

<p><b>Plurality</b></p>	<p><b>Majority</b></p>
<p><b>Majority with elimination</b></p>	
<p><b>Borda Count</b></p>	
<p><b>Condorcet</b></p>	