

## VOTING PROCEDURES

**Majority ballot:** winning person has more than half the votes (50%+1)

**Plurality ballot:** winning candidate is the one with the most votes.

EX:

Votes	16	14	10
1 <sup>st</sup> choice	A	C	B
2 <sup>nd</sup> choice	B	A	A
3 <sup>rd</sup> choice	C	B	C

Total  
40

Majority? No.

Plurality? A. with 16 votes

## → BORDA'S METHOD

Different strategy for deciding who wins. First place = 2 points

2nd place = 1 point

3rd place = 0 points

Add these up and compare.

EX:

Votes	16	14	10	
1 <sup>st</sup> choice	A	C	B	2pts
2 <sup>nd</sup> choice	B	A	A	1pt
3 <sup>rd</sup> choice	C	B	C	0pt

$$A: \overset{=56}{2 \times 16} + 1 \times 24 + 0 \times 0$$

$$B: \overset{=36}{2 \times 10} + 1 \times 16 + 0 \times 14$$

$$C: \overset{=28}{2 \times 14} + 1 \times 0 + 0 \times \underline{\quad}$$

Winner: Ann

Because they earned the most points overall.

## → CONDORCET'S CRITERION

System where the winner is someone who is always "preferred" when you compare them to one other candidate.

EX:

Votes	16	14	10
1 <sup>st</sup> choice	A	<del>C</del>	B
2 <sup>nd</sup> choice	B	A	A
3 <sup>rd</sup> choice	<del>C</del>	B	<del>C</del>
	16+14		10

A vs. B: A

A vs C: A 26 times

B vs C: B

Winner: Ann

Because they always win in a direct confrontation.

## → ELIMINATION BALLOT

- ① Check 1<sup>st</sup> place votes. Get rid of person with the lowest.
- ② Give the votes of the person you're cutting to whoever the 2<sup>nd</sup> choice is (box below)

EX:

Votes	16	14	10
1 <sup>st</sup> choice	A	C	<del>B</del>
2 <sup>nd</sup> choice	B	A	A
3 <sup>rd</sup> choice	C	B	C

$$A = 26$$

$$C = 14$$

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## → ELIMINATION BALLOT

- ① Check 1<sup>st</sup> place votes. Get rid of person with the lowest.
- ② Give the votes of the person you're cutting to whoever the 2<sup>nd</sup> choice is (box below)

Votes	4	3	2	3	5	3
1 <sup>st</sup> choice	A	A	B	B	C	C
2 <sup>nd</sup> choice	B	C	A	C	A	B
3 <sup>rd</sup> choice	C	B	C	A	B	A

$$\begin{array}{r}
 A = 7 \\
 + 2 \\
 \hline
 9
 \end{array}$$

$$B = 5$$

$$\begin{array}{r}
 C = 8 \\
 + 3 \\
 \hline
 11
 \end{array}$$

Winner is C.