

TOPIC: PLURALITY WITH ELIMINATION

Plurality With Elimination Method

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BC

Plurality With Elimination



PC

- ◆ For the **Plurality with Elimination** method, *only* 1st rank votes count. If a candidate gets the _____, they win.
 - ▶ If there's *no* majority, the candidate with the fewest 1st rank votes is _____ & votes are retallied.

EXAMPLE

In an upcoming election with 27 voters, the candidates are Callie, Nick, Colleen, and Jenn. Using the preference table below, determine the winner of the election using the plurality with elimination method.

New

Plurality With Elimination

Number of Ballots	9	7	6	4	1
1 st	Callie	Colleen	Jenn	Nick	Colleen
2 nd	Nick	Nick	Colleen	Jenn	Jenn
3 rd	Colleen	Jenn	Nick	Colleen	Nick
4 th	Jenn	Callie	Callie	Callie	Callie

Callie

Nick

Jenn

Colleen

Majority?



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PRACTICE

An election with three candidates (Camille, Eliza, & Teddy) will be determined by the plurality with elimination method. Who wins the election?

Number of Voters	1271	753	329
1st Choice	C	T	E
2nd Choice	E	E	T
3rd Choice	T	C	C

EXAMPLE

The preference table below shows the results of an election with 4 candidates: Joe, Karl, Lori, & Miles. Use the table to answer the questions below.

Number of Voters	18	12	10	7	3
1st	J	K	L	M	K
2nd	L	J	M	J	M
3rd	K	M	J	K	L
4th	M	L	K	L	J

(A) Using the plurality with elimination method, who wins the election?

(B) Find the complete ranking of the candidates using the plurality with elimination method.