Maj. Plur. Sir	Count on B(orda)	Mano a Mano	Plurs. Elim. Me	Life's Not Fair
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300
400	400	400	400	400
500	500	500	500	500

Among all candidates listed here, this candidate wins using the majority method.
A=46 votes, B=64 votes, C=13 votes, and D=4 votes.

| Question | Done! |
| Answer | Home |

B, with more than half of the votes.

According to this table, this character from the Amanda Show wins using the plurality method.

Number of Ballots	18	22	14	7
1st	Amanda	Tammy	Sheila	Debbie
2nd	Debbie	Amanda	Tammy	Sheila
3rd	Sheila	Debbie	Amanda	Tammy
4th	Tammy	Sheila	Debbie	Amanda

Tammy (from Tennessee)

If a plurality winner exists that _____ guarantee a majority winner.

does not

According to this table, this candidate wins the title of "Best Hip-Hop Song of 2017" using the majority method.

Number of Ballots	13	10	9	4	1
1st	Ric Flair Drip	HUMBLE.	HUMBLE.	Bodak Yellow	Bodak Yellow
2nd	HUMBLE.	Rolex	Rolex	Rolex	Rolex
3rd	Bodak Yellow	Bodak Yellow	Ric Flair Drip	Ric Flair Drip	HUMBLE.
4th	Rolex	Ric Flair Drip	Bodak Yellow	HUMBLE.	Ric Flair Drip

HUMBLE.

Given that candidate B wins using the majority method, this number is the minimum number that must fill the fourth column.

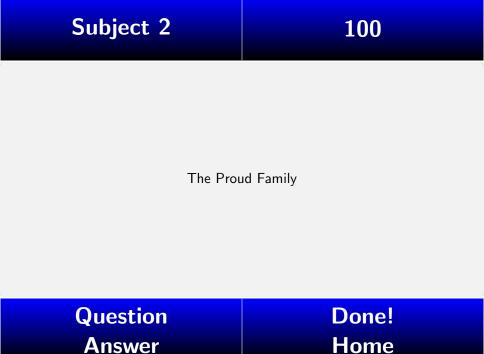| Number of Ballots	15		45	27	12
1st	A	B	C	A	D
2nd	B	C	A	B	B
3rd	C	A	E	E	C
4th	D	E	D	C	E
5th	E	D	B	D	A

100

According to the table below, this Disney Channel television show had the greatest theme song of all time, using the Borda Count method.

Ballots	7	8	18
1st	The Proud Family	The Proud Family	Kim Possible
2nd	That's So Raven	That's So Raven	The Proud Family
3rd	Kim Possible	Kim Possible	That's So Raven

The Proud Family

According to the table below, this is the most enjoyed fast food chain to college students staying up late to finish an assignment due at midnight, using the Borda Count method.

Ballots	7	8	12	11	9
1st	TacoBell	Dunkin'	Wendy's	TacoBell	Wendy's
2nd	Dunkin'	TacoBell	TacoBell	Wendy's	Dunkin'
3rd	Wendy's	Wendy's	Dunkin'	Dunkin'	TacoBell

TacoBell

According to the table below, this dish is said to be the best appetizer at most restaurants, using the Borda Count method.

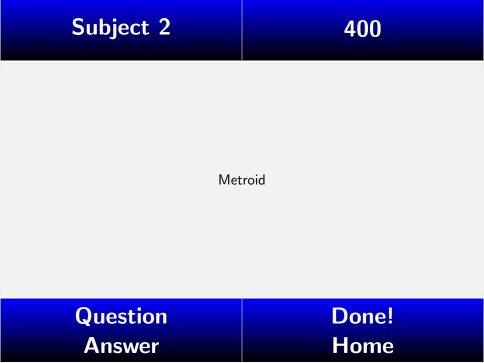| Ballots	14	18	11
1st	Garlic Bread	Mozzarella Sticks	Nachos
2nd	Mozzarella Sticks	Garlic Bread	Mozzarella Sticks
3rd	Nachos	Nachos	Salad
4th	Salad	Salad	Garlic Bread

Mozzarella Sticks

According to the table below, this arcade game was said to the best of its time, using the Borda Count method.

Ballots	3	18	12	9
1st	Frogger	Donkey Kong	Metroid	Dig Dug
2nd	Metroid	Metroid	Donkey Kong	Frogger
3rd	Dig Dug	Frogger	Dig Dug	Metroid
4th	Donkey Kong	Dig Dug	Frogger	Donkey Kong

Metroid

According to the table below, this Harry Potter movie was ranked the best among a group of high school students, using the Borda Count method.

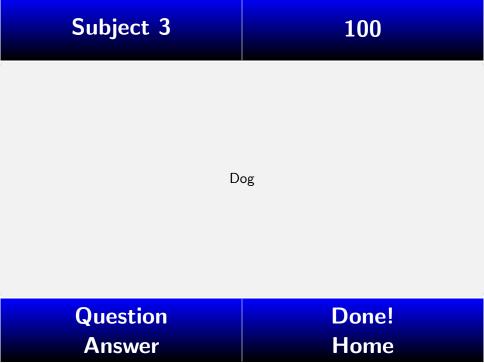|	15	30	25
1st	Half Blood Prince	Prisoner of Azkaban	Goblet of Fire
2nd	Prisoner of Azkaban	Half Blood Prince	Sorcerer's Stone
3rd	Goblet of Fire	Sorcerer's Stone	Prisoner of Azkaban
4th	Sorcerer's Stone	Chamber of Secrets	Chamber of Secrets
5th	Chamber of Secrets	Goblet of Fire	Half Blood Prince

Prisoner of Azkaban

According to the table below, this is the best type of pet to have in college, using the Pairwise Comparison method.

Ballots	4	8	7
1st	Cat	Dog	Lizard
2nd	Dog	Cat	Dog
3rd	Lizard	Lizard	Cat

Dog

According to the table below, this is the most enjoyed fast food chain to college students staying up late to finish an assignment due at midnight, using the Pairwise Comparison method.

Ballots	7	8	12	11	9
1st	TacoBell	Dunkin'	Wendy's	TacoBell	Wendy's
2nd	Dunkin'	TacoBell	TacoBell	Wendy's	Dunkin'
3rd	Wendy's	Wendy's	Dunkin'	Dunkin'	TacoBell

TacoBell

According to the table below, this college football team has the whiniest coach, using the Pairwise Comparison method.

Ballots	26	19	14
1st	Alabama	Clemson	UGA
2nd	Clemson	Alabama	Alabama
3rd	UGA	Florida	Clemson
4th	Florida	UGA	Florida

Alabama (looking at you Nick Saban.)
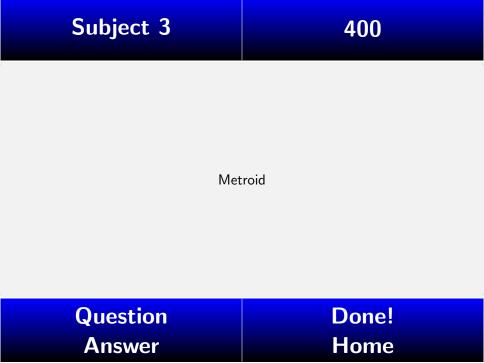
| Question Answer | Done! Home |

According to the table below, this arcade game was said to the best of its time, using the Pairwise Comparison method.

Ballots	3	18	12	9
1st	Frogger	Donkey Kong	Metroid	Dig Dug
2nd	Metroid	Metroid	Donkey Kong	Frogger
3rd	Dig Dug	Frogger	Dig Dug	Metroid
4th	Donkey Kong	Dig Dug	Frogger	Donkey Kong

Question

Answer

Done!

Home

Metroid

Subject 3 | 500

According to the table below, this Harry Potter movie was ranked the best among a group of high school students, using the Pairwise Comparison method.

	15	30	25
1st	Half Blood Prince	Prisoner of Azkaban	Goblet of Fire
2nd	Prisoner of Azkaban	Half Blood Prince	Sorcerer's Stone
3rd	Goblet of Fire	Sorcerer's Stone	Prisoner of Azkaban
4th	Sorcerer's Stone	Chamber of Secrets	Chamber of Secrets
5th	Chamber of Secrets	Goblet of Fire	Half Blood Prince

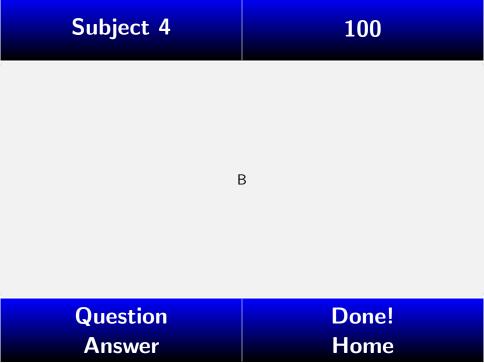| Question | Done! |
| Answer | Home |

Prince of Azkaban

According to the table below, this candidate wins the election with the Plurality with Elimination.

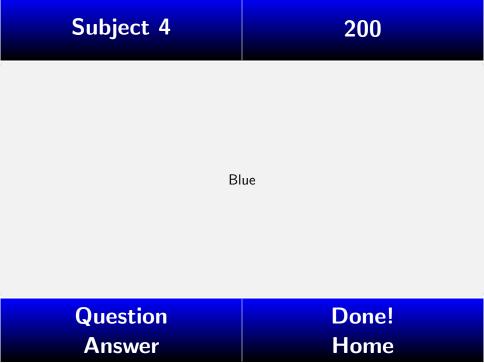| Number of Ballots	7	8	18
1st	A	A	B
2nd	C	C	A
3rd	B	B	C

B

According to the table below, this color was ranked the most popular color among preschool girls, using the Plurality with Elimination method.

Number of Ballots	23	15	18	11	9	12
1st	Purple	Pink	Blue	Purple	Pink	Blue
2nd	Pink	Blue	Purple	Blue	Purple	Pink
3rd	Blue	Purple	Pink	Pink	Blue	Purple

Blue

Question
Answer

Done!
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According to the table below, this Disney movie was the most watched movie the company has made since 1969, using the Plurality with Elimination method.

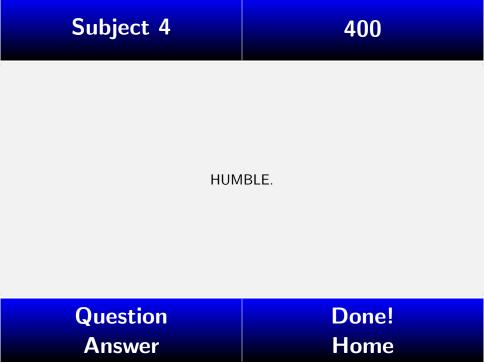| Number of Votes	15	22	16	9
1st	Toy Story	Lion King	Aristocats	Hercules
2nd	Aristocats	Herculess	Hercules	Aristocats
3rd	Lion King	Toy Story	Toy Story	Toy Story
4th	Hercules	Aristocats	Lion King	Lion King

Aristocats

According to this table, this candidate wins the title of "Best Hip-Hop Song of 2017" using the Plurality with Elimination method.

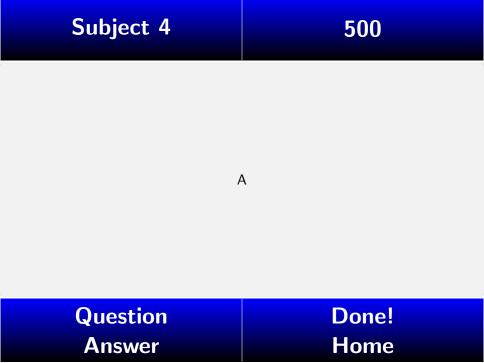| Number of Ballots	14	10	8	4	1
1st	Ric Flair Drip	HUMBLE.	HUMBLE.	Bodak Yellow	Bodak Yellow
2nd	HUMBLE.	Rolex	Rolex	Rolex	Rolex
3rd	Bodak Yellow	Bodak Yellow	Ric Flair Drip	Ric Flair Drip	HUMBLE.
4th	Rolex	Ric Flair Drip	Bodak Yellow	HUMBLE.	Ric Flair Drip

HUMBLE.

According to the table below, this candidate wins using the Plurality with Elimination method.

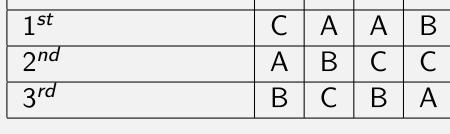| Number of Votes	14	7	16	2	10
1st	A	D	D	C	E
2nd	B	B	B	A	A
3rd	C	A	E	B	D
4th	D	C	C	D	B
5th	E	E	A	E	C

A

These are the names of the four fairness criteria.

Majority criterion, Head-to-Head criterion, Monotonicity criterion, and Irrelevant Alternatives criterion.

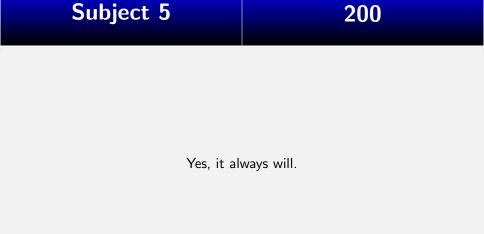Does the Plurality method satisfy the Majority criterion for the following table?

Number of Ballots	5	3	5	4
1st	C	A	A	B
2nd	A	B	C	C
3rd	B	C	B	A

Yes, it always will.

Does the Plurality with Elimination method satisfy the Head-to-Head criterion for the following table?

Number of Votes	7	2	5	3	3	7
1st	A	A	B	B	C	C
2nd	B	C	A	C	A	B
3rd	C	B	C	A	B	A

No, the Head-to-Head criterion says that B should win and B is the first eliminated in Plurality with Elimination.

Does the Pairwise Comparison method satisfy the Monotonicity criterion if a second election is held where 4 votes from the third column are changed to the first column?

Number of Votes	15	22	16	9
1st	Ben	Hudson	Mike	Will
2nd	Mike	Will	Will	Mike
3rd	Hudson	Ben	Ben	Ben
4th	Will	Mike	Hudson	Hudson

Question Answer	Done! Home

Yes, the Pairwise Comparison method always satisfies the Monotonicity criterion.

Does the Borda Count method satisfy the Irrelevant Alternatives criterion if candidate "Mint" is removed?

Number of Ballots	18	22	14	7
1st	Vanilla	Chocolate	Strawberry	Mint
2nd	Strawberry	Mint	Chocolate	Vanilla
3rd	Mint	Vanilla	Vanilla	Strawberry
4th	Chocolate	Strawberry	Mint	Chocolate

Yes, Vanilla wins in both cases of the Borda Count method.