

sPARTY MONARCH COMPETITION FINALS 20xx

Judging Panel of Five

- JUDGE #1
- JUDGE #2
- JUDGE #3
- JUDGE #4
- JUDGE #5
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Eight Competitors

- COMPETITOR A
- COMPETITOR B
- COMPETITOR C
- COMPETITOR D
- COMPETITOR E
- COMPETITOR F
- COMPETITOR G
- COMPETITOR H

FIGURE 1

COMPETITOR	RAW SCORE	POSITION
A	470	
B	440	
C	429	
D	474	
E	423	
F	413	
G	406	
H	473	

Place the Winner and the following 7 positions.

FIGURE 2

COMPETITOR	RAW SCORE	POSITION
A	470	3rd
B	440	4th
C	429	5th
D	474	1st
E	423	6th
F	413	7th
G	406	8th
H	473	2nd

FIGURE 3

POSITION	COMPETITOR
1st	D
2nd	H
3rd	A
4th	B
5th	C
6th	E
7th	F
8th	G

Accordingly, **COMPETITOR D** is declared the PARTY MONARCH and receives the appropriate spoils. Seems fair enough, doesn't it?

But is it really?

Let's look at the collated Score-sheets of the five judges.

Remember, that in the Party Monarch Competition, neither the High Mark nor the Low Mark is "thrown out". The statisticians will tell you that to do the resulting sample (of three judges) will be "too small".

For the purpose of the Pic-O-De-Crop, we will presume that the highest and lowest scores of the seven judges have been eliminated

FIGURE 4

	J. # 1	J. # 2	J. # 3	J. # 4	J. # 5	TOTAL
Comp A	91	90	98	94	97	470
Comp B	88	87	86	89	90	440
Comp C	84	86	84	87	88	429
Comp D	96	94	97	93	94	474
Comp E	83	84	83	86	87	423
Comp F	81	82	81	84	85	413
Comp G	80	81	80	82	83	406
Comp H	97	96	90	95	95	473

Let's look at how the judges ranked the competitors. Highlighted are the individual rankings of Competitors D, H & A, who were declared as 1st, 2nd & 3rd place winners, respectively, in the competition.

FIGURE 5

	J. # 1	J. # 2	J. # 3	J. # 4	J. # 5
Comp A	3	3	1	2	1
Comp B	4	4	4	4	4
Comp C	5	5	5	5	5
Comp D	2	2	2	3	3
Comp E	6	6	6	6	6
Comp F	7	7	7	7	7
Comp G	8	8	8	8	8
Comp H	1	1	3	1	2

There should be some interesting features re the judges' ranking of the competitors that pop out here!

Let's focus on the situation as it pertains to the award of the first three positions.

FIGURE 5

POSITION	COMPETITOR	RAW SCORE
1st	D	474
2nd	H	473
3rd	A	470

What is immediately striking is that though **COMPETITOR D** was declared to be The Winner of the Competition, not one of the judges considered him the winner on their individual Scoresheets!

Not one of them ranked **COMPETITOR D** as coming 1st! In fact, three of the judges adjudged **COMPETITOR D** to have come 2nd and the other two judges adjudged him/her to have come 3rd!

COMPETITOR H, who was awarded 2nd Place in the Competition, was adjudged by three of the judges (the majority of the panel!) to be the winner! One of the judges ranked **COMPETITOR H** as coming 2nd and the other judge ranked this competitor as coming 3rd.

COMPETITOR A, was awarded 3rd Place in the Competition, even though two judges ranked him/her coming 1st, one judge ranked him as coming 2nd and the other two judges rank **COMPETITOR A** as coming 3rd.

Do will still consider the declaration of **COMPETITOR D** as The Winner to be a just one?

Did it really reflect the opinion of the judges?

CALCULATION USING RANK ORDER

A performer's "score" can be attained by adding the *rank/position* in which each judge's has points has placed that competitor. The score *closest to the number of judges adjudicating* is declared the winner. Should there be a tie on that score, the competitor with the most First Place positions would be declared the winner. If a tie on this count results, then the competitor with the

most Second Place positions would be declared the winner. If a tie on this count results then the competitor with the most Third Place positions would be declared the winner.

FIGURE 6

	J. # 1	J. # 2	J. # 3	J. # 4	J. # 5	SCORE	POS
Comp A	3	3	1	2	1	10	<u>2nd</u>
Comp B	4	4	4	4	4	20	<u>4th</u>
Comp C	5	5	5	5	5	25	<u>5th</u>
Comp D	2	2	2	3	3	12	<u>3rd</u>
Comp E	6	6	6	6	6	30	<u>6th</u>
Comp F	7	7	7	7	7	35	<u>7th</u>
Comp G	8	8	8	8	8	40	<u>8th</u>
Comp H	1	1	3	1	2	8	<u>1st</u>

The challenge here is that the competitor with the least number of points would be the winner. This is quite an ask for those who have for years seen a winner as score the highest number of points.

Thus, we can assign a value to each position. This has been worked out as follows:

FIGURE 7

POSITION	VALUE
1st	20
2nd	16
3rd	14
4th	12
5th	10
6th	08
7th	06
8th	04
9th	02
10th	01

If we assign the values to the positions that were established before we would arrive at the following result:

FIGURE 8

	J. # 1	J. # 2	J. # 3	J. # 4	J. # 5	SCORE	POS
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Comp A	14	14	20	16	20	84	<u>2nd</u>
Comp B	12	12	12	12	12	60	<u>4th</u>
Comp C	10	10	10	10	10	50	<u>5th</u>
Comp D	16	16	16	14	14	76	<u>3rd</u>
Comp E	8	8	8	8	8	40	<u>6th</u>
Comp F	6	6	6	6	6	30	<u>7th</u>
Comp G	4	4	4	4	4	20	<u>8th</u>
Comp H	20	20	14	20	16	90	<u>1st</u>