HOSA Mathematical Formula

For most HOSA competitive events, determining the winner is a straightforward process. The winner is the person or team with the highest score.

For some events in Category III and IV, the number of competitors requires that multiple sections are used. Such a system allows for a large number of competitors to be served in a reasonable period of time, while still preserving the anticipation of the awards ceremony – for all competitors.

In the following example, there are two sections. For each section, you will:

1. Total the score
2. Determine each section average
3. Subtract the lower average from the higher average
4. Add the difference in average points to every competitor in the lower section
5. Determine who wins with the adjusted scores
6. Determine who would have won without the mathematical formula

	Judge 1	Judge 2	Judge 3	Total	Points added to lower average section	Adjusted Total	Place	Place – If no math formula
Sally	87	88	81					
Mike	56	66	64					
Maria	75	77	71					
Chang	58	66	64					
Tamika	79	79	71					
Achmed	82	76	90					
Lola	90	90	82					
Pedro	64	69	73					
Raja	73	71	67					
Leslie	93	91	80					
Frank	67	59	66					
Penny	72	81	91					
Vladimir	76	78	90					
Sara	77	80	89					
Karlotta	77	72	88					
Virgil	84	87	93					
Virginia	99	91	98					
Leroy	90	84	97					
Baron	86	86	96					
Lawanda	75	82	90					
Shamika	100	94	99					