

## Scoring Matrix for the Odyssey of the Mind Program

Let's assume that there are three teams -- A, B, and C -- competing in the same long-term problem and in the same division. The team with the highest long-term raw score receives 200 points. Each team in that problem and division receives a percentaged score compared to the highest score. For example:

Team A's raw long-term score is 140 points.  
 Team B's raw long-term score is 120 points.  
 Team C's raw long-term score is 70 points.

Team A's score becomes  $140/140$ , which equals 1 times 200, for a total of 200 points.  
 Team B's score becomes  $120/140$ , which equals .857 times 200, for a total of 171.4 points.  
 Team C's score becomes  $70/140$ , which equals .5 time 200, for a total of 100 points.

Or, you may divide 200 by the highest score ( $200/140$ ). Then you can use that result and multiply each other raw score to determine their raw score. (This system also works for all three components of scoring.)

The spontaneous problem is given on the day of the competition. The team with the highest raw score receives 100 points. Each team in that problem and division receives a percentaged score compared to the highest score. The example continued:

Team A's raw score is 40.  
 Team B's raw score is 75.  
 Team C's raw score is 35.

*Then,*

Team A's score is  $40/75$  or .533 times 100, which totals 53.3 points.  
 Team B's score is  $75/75$  or 1 times 100, which totals 100 points.  
 Team C's score is  $35/75$  or .467 times 100, which totals 46.7 points.

Style is the elaboration of the long-term problem solution. The team with the highest raw score for Style receives 50 points. Each team in that problem and division receives a percentaged score compared to the highest score.

Team A's raw score is 28.  
 Team B's raw score is 41.  
 Team C's raw score is 37.

*Then,*

Team A's score is  $28/41$  or .683 times 50, which totals 34.15 points.  
 Team B's score is  $41/41$  or 1 times 50, which totals 50 points.  
 Team C's score is  $37/41$  or .902 times 50, which totals 45.1 points.

Therefore, the results would appear like this:

Team	Long-Term	PLUS	Spontaneous	PLUS	Style	EQUALS	TOTAL
A	200		53.3		34.15		287.45
B	171.4		100		50		321.4
C	100		46.7		45.1		191.8

Team B placed first in the competition with a total of 321.4 points. Team A second, and Team C third.