

How is an Overall Score Calculated?

After the system has calculated scores for every race each participant finished (see “How are race scores calculated” document). The top 3 scores (for on-road triathlon, top two for all other disciplines) for each participant will be used to determine the overall score for the race year.

The following athletes competed in three or more races. The scores below represent their top three performances

Males

<u>Name</u>	<u>Sprint Score</u>	Sprint Original Score	<u>Olympic Score</u>	Olympic Original Score	<u>Long Score</u>	Long Original Score
John Doe	90.5112	1.1048	94.0676	1.0631	91.1783	1.0968
Jim Smith	90.4190	1.1060	91.7608	1.0898	91.9788	1.0872
Don Jones	90.0216	1.1108	91.1892	1.0966	89.5943	1.1161
Dan James	89.9606	1.1116	88.2555	1.1331	90.0979	1.1099
Mike Adams	89.8695	1.1127	88.1509	1.1344	88.9091	1.1247

Females (all scores reflect non-gender grade as these are the scores that will be used to determine pacesetter value next year and we do not want to inflate the averages by 10%)

<u>Name</u>	<u>Sprint Score</u>	Sprint Original Score	<u>Olympic Score</u>	Olympic Original Score	<u>Long Score</u>	Long Original Score
Ann Robinson	84.5059	1.1833	85.8814	1.1644	86.0026	1.1628
Kim Walker	82.9523	1.2055	84.2093	1.1875	82.5706	1.2111
Karen Toms	80.0342	1.2495	82.7389	1.2086	81.3865	1.2287
Liz Brown	78.2462	1.2780	80.5266	1.2418	78.3772	1.2759
Mary Smith	78.1543	1.2795	78.1167	1.2801	78.9445	1.2667

While the system automatically uses the original, non-inverted, scores behind the scenes, you can find out what they are by reversing the process that gave us the race scores. This is done by dividing 1 by the score divided by 100 (For example: John Doe had a score of 90.5112 to get to his non-inverted score use the following calculation $(1/(90.5112/100)) = 1.10483$)

To determine the overall score for each athlete we then average the three original scores.

1) Average the Non Inverted Scores:

	Sprint	Intermediate	Long	
<u>Name</u>	Original Score	Original Score	Original Score	<u>Average of Original Score</u>
John Doe	1.1048	1.0631	1.0968	1.0882
Jim Smith	1.1060	1.0898	1.0872	1.0943
Don Jones	1.1108	1.0966	1.1161	1.1079

Dan James	1.1116	1.1331	1.1099	1.1182
Mike Adams	1.1127	1.1344	1.1247	1.1240
Ann Robinson	1.1833	1.1644	1.1628	1.1702
Kim Walker	1.2055	1.1875	1.2111	1.2014
Karen Toms	1.2495	1.2086	1.2287	1.2289
Liz Brown	1.2780	1.2418	1.2759	1.2652
Mary Smith	1.2795	1.2801	1.2667	1.2755

2) Change to the recognized format (use the calculation $((1/\text{Avg. of Non-Inverted Score}) * 100)$)

	Sprint	Intermediate	Long		
<u>Name</u>	<u>Original Score</u>	<u>Original Score</u>	<u>Original Score</u>	<u>Average of Original Score</u>	<u>Overall Score</u>
John Doe	1.1048	1.0631	1.0968	1.0882	91.893377
Jim Smith	1.1060	1.0898	1.0872	1.0943	91.380969
Don Jones	1.1108	1.0966	1.1161	1.1079	90.263351
Dan James	1.1116	1.1331	1.1099	1.1182	89.430096
Mike Adams	1.1127	1.1344	1.1247	1.1240	88.970948
Ann Robinson	1.1833	1.1644	1.1628	1.1702	85.457882
Kim Walker	1.2055	1.1875	1.2111	1.2014	83.2382
Karen Toms	1.2495	1.2086	1.2287	1.2289	81.371563
Liz Brown	1.2780	1.2418	1.2759	1.2652	79.036299
Mary Smith	1.2795	1.2801	1.2667	1.2755	78.4033