

How is an Overall Score Calculated?

After the system has calculated scores for every completed race for each participant (see “How are race scores calculated” document) the **top three (3)** scores (on-road triathlon and duathlon) for each participant will be used to determine the overall score for the race year. The **top two (2)** scores (all other disciplines – aquabike, aquathlon, & off-road triathlon) 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>Athlete Name</u>	<u>Sprint Score</u>	<u>Sprint Original Score</u>	<u>Olympic Score</u>	<u>Olympic Original Score</u>	<u>Long Score</u>	<u>Long Original Score</u>
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

<u>Athlete Name</u>	<u>Sprint Score</u>	<u>Sprint Original Score</u>	<u>Olympic Score</u>	<u>Olympic Original Score</u>	<u>Long Score</u>	<u>Long Original Score</u>
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 the scores are by reversing the process that provided 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. By using the following calculation, you will see the inverted 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

	<u>Sprint</u>	<u>Intermediate</u>	<u>Long</u>	
<u>Athlete Name</u>	<u>Original Score</u>	<u>Original Score</u>	<u>Original Score</u>	<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
Ann Robinson	1.1833	1.1644	1.1628	1.1702
Kim Walker	1.2055	1.1875	1.2111	1.2014

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

	<u>Sprint</u>	<u>Intermediate</u>	<u>Long</u>		
<u>Athlete 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
Ann Robinson	1.1833	1.1644	1.1628	1.1702	85.457882
Kim Walker	1.2055	1.1875	1.2111	1.2014	83.2382