



Different Laps for Different Competitors

TopYacht provides 2 methods for producing sensible results when comparing competitors who have completed different numbers of laps of a common course.

Important Notes:

- Under normal circumstances it is **essential** that the Finish Line is also Start Line (there is an exception to this rule - see "[Lap Racing On A Fixed Course - Course Specific Handicaps](#)"). If this necessary rule is not followed then a competitor sailing 3 laps has not sailed exactly $\frac{3}{4}$ as far as a competitor who sailed 4 laps, etc. and hence the scaling maths is incorrect.
- The Laps must be around the identical course. They might all be windward returns, or all be triangles. You cannot have some competitors complete W,T,W¹ as "3" laps then another complete W,T,W,T as "4" laps as the "laps" are not identical. If you wish to use windward returns and triangles, then "one lap" must be **one of each!**
- TY calculates all results as if each competitor sailed 4 laps. So, for those who sailed 5 laps their corrected time will be scaled down by $\frac{4}{5}$ while those who sailed 3 laps will have their time scaled up by $\frac{4}{3}$. Put another way, for each competitor TY calculates the average time to complete one lap then multiplies this by 4.
- The BCHs take the number of laps into account so you can develop handicaps across competitors that sail a different number of laps.
- Calculation of handicaps within a total fleet (i.e. across Divisions) **only works** if the handicaps are set up to flow across Divisions so for example the faster competitors are in Div 1 with handicaps of ≥ 0.850 , Div 2 is for handicaps ≥ 0.750 but < 0.850 and Div 3 is < 0.750 . Then the number of laps must reflect the handicap with faster competitors (i.e. Div 1) doing more laps etc

Option 1: Different Laps per Division.

From the main menu use step 2 "Select Set Up Race"

- Check the "Different Laps per Division" box.
- Then provide a number of laps per Division in the "Laps" column of the Starts table.

Race No.: 6

31/10/02 14:00

Use only TIME OF DAY format : e.g

START No	HR	MN	SC	DIV	LAPS
1	16	30	00	1	4
2	16	30	00	2	3
3	16	30	00	3	2

Buttons: Select Race, Close, Edit Race, Add New Race, Add New Start

Fields: Race Date: 20/10/02, Starts spacing 3/5/X mins? 0, Assign A Course Number, Use for HCing

Estimated Race Duration for HCing Mins

Enter finish times and calculate results as normal.

¹ W-T-W describes the course sailed. In this case it is windward-leeward / triangle - windward-leeward

Option 2: Where competitors within a division complete different numbers of laps.

Set this up exactly as per option 1 above.

- Enter the finish times as per normal.
- Then go to the "View Alter Finish times /Positions" screen. For those competitors who completed a different number of laps to that indicated for the Division, then provide the actual lap count in the appropriate column of the finish times table. In the example below a Div 2 competitor completed 2 laps rather than the 3 expected of Div 2 (see illustration above).
- Then process as per normal.

Starts: Div1 at 16:30:00; Div2 at 16:30:00; Div3 at 1

	<i>...</i>	<i>MIN</i>	<i>SC</i>	<i>DidNot</i>	<i>LAPS</i>	<i>Sail No</i>	<i>Class</i>	<i>E</i>
	17	24	40			M271	D1	E
▶	17	32	12			TF57	D3	Sk
	17	39	12		2	W111	D2	SI
	17	40	40			26	D3	W

Further Reading

[Different Lap Racing on a Fixed Course](#)