

This scratch sheet is for information purposes only. The TOT multipliers are unique to PHRF Lake Ontario.

Calculated corrected times will differ from the actual race results because of round up.

Corrected time is the Elapsed time multiplied by the Time on Time Multiplier

CT = ET * TOT

Use: EG; Boat A rates 54, boat B rates 66. At the first mark Boat a has an elapsed time of 11Min. Boat B an elapsed time of 11:30, who is ahead.

Boat A TOD=54 CT = 01:13 + 12:03 = 13:16

Boat B TOD=66 CT = 00:35 + 01:11 + 11:49 = 13:35 Boat A is ahead by 19 Secs.

TOD	TOT	1 Min	2 Min	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	60 Min
54	1.2058	01:13	02:25	03:37	06:02	12:03	18:05	24:07	36:20	54:16	01:12:13
57	1.1995	01:12	02:24	03:36	06:00	12:00	18:00	23:59	35:59	53:59	01:11:35
60	1.1932	01:11	02:23	03:35	05:58	11:56	17:54	23:52	35:48	53:42	01:11:22
63	1.1870	01:11	02:22	03:34	05:56	11:52	17:48	23:44	35:37	53:25	01:11:08
66	1.1809	01:11	02:22	03:33	05:54	11:49	17:43	23:37	35:26	53:08	01:10:31
69	1.1748	01:10	02:21	03:31	05:52	11:45	17:37	23:30	35:15	52:52	01:10:17
72	1.1688	01:10	02:20	03:30	05:51	11:41	17:32	23:23	35:04	52:36	01:10:05
75	1.1629	01:10	02:20	03:29	05:49	11:38	17:27	23:15	34:53	52:20	01:09:28
78	1.1570	01:10	02:19	03:28	05:47	11:34	17:21	23:08	34:43	52:04	01:09:15
81	1.1512	01:09	02:18	03:27	05:45	11:31	17:16	23:01	34:32	51:48	01:09:02
84	1.1454	01:09	02:17	03:26	05:44	11:27	17:11	22:54	34:22	51:33	01:08:26
87	1.1397	01:08	02:17	03:25	05:42	11:24	17:06	22:48	34:11	51:18	01:08:14
90	1.1340	01:08	02:16	03:24	05:40	11:20	17:01	22:41	34:01	51:02	01:08:01
93	1.1284	01:08	02:15	03:23	05:29	11:17	16:56	22:34	33:51	50:47	01:07:25
96	1.1229	01:07	02:15	03:22	05:37	11:14	16:51	22:27	33:41	50:32	01:07:13
99	1.1174	01:07	02:14	03:21	05:25	11:10	16:46	22:21	33:31	50:17	01:07:02
102	1.1119	01:06	02:13	03:20	05:34	11:07	16:41	22:14	33:21	50:02	01:06:26
105	1.1066	01:06	02:13	03:19	05:32	11:04	16:26	22:08	33:12	49:48	01:16:14
108	1.1012	01:06	02:12	03:18	05:30	11:01	16:31	22:01	33:02	49:33	01:06:02
111	1.0959	01:06	02:12	03:17	05:29	10:58	16:26	21:55	32:53	49:19	01:05:27
114	1.0907	01:05	02:11	03:16	05:27	10:54	16:22	21:49	32:43	49:05	01:05:16
117	1.0855	01:05	02:10	03:15	05:26	10:51	16:17	21:43	32:34	48:51	01:05:05
120	1.0804	01:05	02:10	03:14	05:24	10:48	16:12	21:37	32:25	48:37	01:04:29
123	1.0753	01:05	02:09	03:14	05:23	10:45	16:08	21:30	32:16	48:23	01:04:19
126	1.0703	01:04	02:08	03:13	05:21	10:42	16:03	21:24	32:07	48:10	01:04:08
129	1.0653	01:04	02:08	03:12	05:20	10:39	15:59	21:18	31:58	47:56	01:03:33
132	1.0603	01:04	02:07	03:11	05:18	10:36	15:54	21:12	31:49	47:43	01:03:22
135	1.0554	01:04	02:07	03:10	05:17	10:33	15:50	21:06	31:40	47:30	01:03:11
138	1.0506	01:03	02:06	03:09	05:15	10:30	15:46	21:01	31:31	47:17	01:03:01

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CT = ET * TOT

Use: EG; Boat A rates 54, boat B rates 66. At the first mark Boat a has an elapsed time of 11Min. Boat B an elapsed time of 11:30, who is ahead.

Boat A TOD=141 CT = 01:03 + 10:27 = 11:30

Boat B TOD=150 CT = (01:02)/2 + 01:02 + 10:19 = 11:52 Boat A is ahead by 22 secs.

TOD	TOT	1 Min	2 Min	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	60 Min
141	1.0458	01:03	02:06	03:08	05:14	10:27	15:41	20:55	31:22	47:04	01:02:27
144	1.0410	01:02	02:05	03:07	05:12	10:25	15:37	20:49	31:14	46:51	01:02:17
147	1.0363	01:02	02:04	03:07	05:11	10:22	15:33	20:44	31:05	46:38	01:02:07
150	1.0316	01:02	02:04	03:06	05:09	10:19	15:28	20:38	30:57	46:25	01:01:32
153	1.0270	01:02	02:03	03:05	05:08	10:16	15:24	20:32	30:49	46:13	01:01:22
156	1.0224	01:01	02:03	03:04	05:07	10:13	15:20	20:27	30:40	46:00	01:01:13
159	1.0178	01:01	02:02	03:03	05:05	10:11	15:16	20:21	30:32	45:48	01:01:02
162	1.0133	01:01	02:02	03:02	05:04	10:08	15:12	20:16	30:24	45:36	01:00:29
165	1.0088	01:01	02:01	03:02	05:03	10:05	15:08	20:11	30:16	45:24	01:00:19
168	1.0044	00:00	02:01	03:01	05:01	10:03	15:04	20:05	30:08	45:12	01:00:09
171	1.0000	00:00	02:00	03:00	05:00	10:00	15:00	20:00	30:00	45:00	01:00:00
174	0.9956	00:00	01:59	02:59	04:59	09:57	14:56	19:55	29:52	44:48	00:00:00
177	0.9913	00:54	01:59	02:58	04:57	09:55	14:52	19:50	29:44	44:37	00:59:17
180	0.9870	00:59	01:58	02:58	04:56	09:52	14:48	19:44	29:37	44:25	00:59:08
183	0.9828	00:59	01:58	02:57	04:55	09:50	14:45	19:39	29:29	44:14	00:58:35
186	0.9786	00:59	01:57	02:56	04:54	09:47	14:41	19:34	29:21	44:02	00:58:26
189	0.9744	00:58	01:57	02:55	04:52	09:45	14:37	19:29	29:14	43:51	00:58:17
192	0.9703	00:58	01:56	02:55	04:51	09:42	14:33	19:24	29:07	43:40	00:58:08
195	0.9662	00:58	01:56	02:54	04:50	09:40	14:30	19:19	28:59	43:29	00:57:35
198	0.9621	00:58	01:55	02:53	04:49	09:37	14:26	19:15	28:52	43:18	00:57:26
201	0.9581	00:57	01:55	02:52	04:47	09:35	14:22	19:10	28:45	43:07	00:57:17
204	0.9541	00:57	01:54	02:52	04:46	09:32	14:19	19:05	28:37	42:56	00:57:09
207	0.9501	00:57	01:54	02:51	04:45	09:30	14:15	19:01	28:30	42:45	00:57:00
210	0.9462	00:57	01:54	02:50	04:44	09:28	14:12	18:55	28:23	42:35	00:56:28
213	0.9423	00:57	01:53	02:50	04:43	09:25	14:08	18:51	28:16	42:24	00:56:19
216	0.9384	00:56	01:53	02:49	04:42	09:23	14:05	18:46	28:09	42:14	00:56:11
219	0.9346	00:56	01:52	02:48	04:40	09:21	14:01	18:42	28:02	42:03	00:56:03
222	0.9307	00:56	01:52	02:48	04:39	09:18	13:58	18:37	27:55	41:53	00:55:31
225	0.9270	00:56	01:51	02:47	04:38	09:16	13:54	18:32	27:49	41:43	00:55:22
228	0.9232	00:55	01:51	02:46	04:37	09:14	13:51	18:28	27:42	41:33	00:55:14
231	0.9195	00:55	01:50	02:46	04:36	09:12	13:48	18:23	27:35	41:23	00:55:06
234	0.9158	00:55	01:50	02:45	04:35	09:09	13:44	18:19	27:28	41:13	00:54:34
237	0.9122	00:55	01:49	02:44	04:34	09:07	13:41	18:15	27:22	41:03	00:54:26
240	0.9085	00:55	01:49	02:44	04:33	09:05	13:38	18:10	27:15	40:53	00:54:19