

MUL POINTS CALCULATION

Total Points (ΣP) = Base Points (**BP**) + Bonus Trail (**BT**) + Bonus Elevation Gain (**BEG**)
 + Bonus COT (**BCOT**) + Bonus Finish Position (**BFP**)

$$\Sigma P = BP + BT + BEG + BCOT + BFP$$

$$\Sigma P = A + B + C + D + E$$

A : Base Points (**BP**) → The race distance in km i.e., 1 km = 1 Point

B : Bonus - Trail (**BT**) → Bonus points given for trail races counted as :
 Race distance X 30%; i.e., { **BP X 30%** }

C : Bonus - Elevation Gain (**BEG**) → Bonus points given for Elevation Gain (EG) counted as :
 1% of the EG in meter i.e., 100 meter EG = 1 Point

D : Bonus - COT (**BCOT**) → Bonus points for fast Finish Times (FT) relative to the
 race's Cut-Off-Time (% FT/COT)

Finish Time / COT (%)		Base Score	Multiplication Factor	BCOT
From	To	[A]	[B]	[A X B]
90%	←→ 100%	0	5% X Race Distance (km) → 5% X BP	0
80%	←→ 90%	10		0.5 X BP
70%	←→ 80%	20		1.0 X BP
60%	←→ 70%	30		1.5 X BP
50%	←→ 60%	40		2.0 X BP
0%	←→ 50%	50		2.5 X BP

E : Bonus - Finish Position (**BFP**) → Bonus points for the top 10 finishers based only
 on gender in each ultra-distance race category

Race Dist' (km)	Finish Position									
	10 th	9 th	8 th	7 th	6 th	5 th	4 th	3 rd	2 nd	1 st
< 99	10	15	20	25	30	35	40	50	75	100
100 ~ 159	20	30	40	50	60	70	80	100	150	200
≥ 160	30	45	60	75	90	105	120	150	225	300

Note:

- No MUL points for DNF or DQ runners.
- The minimum distance run to be eligible for MUL points is 50 km. This includes 6 hours or 12 hours fixed time races. '50 km' races which measure via GPS or other equivalent measuring devices to be under 50 km will be fully eligible for MUL points and counted as 50 km in all MUL related calculations.
- MUL points are ONLY for individual runners participating in individual categories. No points for teams, groups, pairs, pacer-team, relays, etc. regardless of the race format.
- The Race Distance is the nominal advertised distance of the race. e.g., a '100 km' race which is actually 102.527 km will be counted as 100.000 km in all MUL related calculations.
- The Elevation Gain data for each race is determined by the respective RDs. Bonus Elevation Gain (BEG) points ARE also allocated for fixed time events e.g., 12 hours and 24 hours races based on the EG per loop and loops run by each runner.
- Trail bonus is only for races with at least 60% trail sections as determined by the respective RDs. 'Trail' is defined to include dirt roads, gravel, river sections/crossings/treading, beach sand, etc. i.e., NOT roads or track surfaces.
- No bonus COT (BCOT) points for fixed timed races e.g., 12 hours, 24 hours.
- No MUL points if the race is called off at any point (rain, storm, accident, etc.) e.g., if you've run 95 km in a 100 km race and then the race gets officially called off due to thunderstorm, you will receive no points. However, if you manage to complete said race before it gets called off and are recognized as an official finisher by the RD, then you shall be entitled to full MUL points.

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EXAMPLES

Total Points (ΣP) = Base Points (**BP**) + Bonus Trail (**BT**) + Bonus Elevation Gain (**BEG**) + Bonus COT (**BCOT**) + Bonus Finish Position (**BFP**)

$$\Sigma P = BP + BT + BEG + BCOT + BFP$$

$$\Sigma P = A + B + C + D + E$$

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C : Bonus - Elevation Gain (**BEG**) → Bonus points given for Elevation Gain (EG) counted as : 1% of the EG in meter i.e., 100 meter EG = 1 Point

D : Bonus - COT (**BCOT**) → Bonus points for fast Finish Times (FT) relative to the race's Cut-Off-Time (% FT/COT)

Finish Time / COT (%)		Base Score [A]	Multiplication Factor [B]	BCOT [A X B]
From	To			
90%	←————→ 100%	0	5% X Race Distance (km) → 5% X BP	0
80%	←————→ 90%	10		0.5 X BP
70%	←————→ 80%	20		1.0 X BP
60%	←————→ 70%	30		1.5 X BP
50%	←————→ 60%	40		2.0 X BP
0%	←————→ 50%	50		2.5 X BP

E : Bonus - Finish Position (**BFP**) → Bonus points for the top 10 finishers based only on gender in each ultra-distance race category

Race Dist' (km)	Finish Position									
	10 th	9 th	8 th	7 th	6 th	5 th	4 th	3 rd	2 nd	1 st
< 99	10	15	20	25	30	35	40	50	75	100
100 ~ 159	20	30	40	50	60	70	80	100	150	200
≥ 160	30	45	60	75	90	105	120	150	225	300

Description	CASE 1 :	CASE 2 :	CASE 3 :	CASE 4 :
	Type - Fixed Distance Road Race		Type - Fixed Distance Trail Race	Type - Fixed Time Trail Race
Event	Titi Ultra		UiTM Ultra	TMBT Ultra
Distance or Time	200 km		52 km	100 km
Elevation Gain	3,042 meter		1,290 meter	5,255 meter
% Trail	0 %		0 %	85 %
COT (hh:mm:ss)	40:00:00		10:00:00	32:00:00
Finish Position	7		26	2
Finish Time or Distance	33:54:23		6:42:14	18:16:47

A : Base Points (BP)	200 km → <u>200</u>	52 km → <u>52</u>	100 km → <u>100</u>	70 km → <u>70</u>
B : Bonus Trail (BT)	0 % → <u>0</u>	0 % → <u>0</u>	85 % → BP X 30% = 100 X 30% = <u>30</u>	100 % → BP X 30% = 70 X 30% = <u>21</u>
C : Bonus Elevation Gain (BEG)	3,042 meter → 1% X 3,042 = <u>30.42</u>	1,290 meter → 1% X 1,290 = <u>12.90</u>	5,255 meter → 1% X 5,255 = <u>52.55</u>	70km X 53.6 meter/km = 3,752 meter → 1% X 3,752 = <u>37.52</u>
D : Bonus COT (BCOT) [Base Score X Multiplication Factor]	33:54:23/40:00:00 = 84.8% 84.8% → Base Score 10 → BCOT = 10 X (5% X 200km) = <u>100</u>	6:42:14/10:00:00 = 67.0% 67.0% → Base Score 30 → BCOT = 30 X (5% X 52km) = <u>78</u>	18:16:47/32:00:00 = 57.1% 57.1% → Base Score 40 → BCOT = 40 X (5% X 100km) = <u>200</u>	None
E : Bonus Finish Position (BFP)	7th place, above 160 km → <u>75</u>	26th place, below 99 km → <u>0</u>	2nd place, 100 ~ 159 km → <u>150</u>	10th place, below 99 km → <u>10</u>
TOTAL POINTS (ΣP)	$\Sigma P = A + B + C + D + D + E$ = 200 + 0 + 30.42 + 100 + 75 = 405.42 ≈ 405	$\Sigma P = A + B + C + D + D + E$ = 52 + 0 + 12.90 + 78 + 0 = 142.90 ≈ 143	$\Sigma P = A + B + C + D + D + E$ = 100 + 30 + 52.55 + 200 + 150 = 532.55 ≈ 533	$\Sigma P = A + B + C + D + D + E$ = 70 + 21 + 37.52 + 0 + 10 = 138.52 ≈ 139