



# **2023 WMA AGE FACTORS AND PARAMETERS FOR SCORING COMBINED EVENTS**

**2023 Edition**

## 2023 Age Factors and Parameters for Scoring Combined Events

### WOMEN'S AGE FACTORS

Age	60m	100m	200m	400m	800m	1000m	1500m	60m Hurdles	Short Hurdles
35	1.0000	1.0000	1.0000	0.9783	0.9929	0.9995	0.9812	1.0000	0.9932
40	0.9985	0.9810	0.9787	0.9441	0.9563	0.9624	0.9441	0.9288	1.1368
45	0.9613	0.9441	0.9411	0.9084	0.9192	0.9248	0.9069	0.8980	1.0971
50	0.9259	0.9080	0.9040	0.8711	0.8814	0.8869	0.8697	0.8861	1.0597
55	0.8922	0.8726	0.8673	0.8324	0.8432	0.8485	0.8324	0.8530	1.0188
60	0.8603	0.8379	0.8309	0.7924	0.8044	0.8098	0.7951	0.8192	0.9774
65	0.8300	0.8038	0.7950	0.7510	0.7651	0.7706	0.7576	0.7847	0.9355
70	0.8014	0.7705	0.7594	0.7084	0.7254	0.7312	0.7202	0.7438	0.8862
75	0.7743	0.7377	0.7242	0.6647	0.6848	0.6906	0.6812	0.6926	0.8249
80	0.7427	0.7040	0.6875	0.6148	0.6354	0.6407	0.6316	0.6311	0.7515
85	0.6977	0.6590	0.6374	0.5556	0.5746	0.5790	0.5698	0.5594	0.6661
90	0.6393	0.6011	0.5723	0.4869	0.5024	0.5056	0.4960	0.4776	0.5686
95	0.5673	0.5302	0.4920	0.4090	0.4188	0.4205	0.4102	0.3855	0.4592
100	0.4818	0.4464	0.3965	0.3219	0.3239	0.3237	0.3122	0.2834	0.3379
105	0.3827	0.3497	0.2858	0.2255	0.2176	0.2151	0.2021	0.1711	0.2046
110	0.2700	0.2400	0.1600	0.1200	0.1000	0.0943	0.0800	0.0487	0.0594

Age	High Jump	Pole Vault	Long Jump	Shot Put	Discus	Hammer	Javelin	Weight
35	1.0205	1.0024	1.0323	1.0368	1.0000	1.0573	1.0236	1.0355
40	1.0715	1.0637	1.0905	1.1164	1.0733	1.1616	1.1298	1.1186
45	1.1255	1.1306	1.1537	1.2062	1.1772	1.2787	1.2495	1.2126
50	1.1826	1.2037	1.2226	1.1330	1.2949	1.2225	1.2650	1.1544
55	1.2430	1.2840	1.2982	1.2347	1.4300	1.3551	1.4077	1.2633
60	1.3071	1.3728	1.3814	1.3534	1.5873	1.5099	1.5732	1.1715
65	1.3751	1.4715	1.4736	1.4938	1.7735	1.6940	1.7680	1.3004
70	1.4473	1.5819	1.5764	1.6631	1.9985	1.9176	2.0006	1.4577
75	1.5242	1.7128	1.6928	1.5282	1.9717	1.6730	2.0428	1.3741
80	1.6061	1.8944	1.8499	1.7433	2.2786	1.9458	2.3589	1.5846
85	1.7029	2.1559	2.0771	2.0244	2.6843	2.3110	2.7698	1.8666
90	1.8509	2.5533	2.4193	2.4079	3.2477	2.8273	3.3387	2.2647
95	2.0785	3.2130	2.9746	2.9631	4.0861	3.6161	4.1830	2.8706
100	2.4406	4.4938	4.0010	3.8399	5.4702	4.9754	5.5753	3.9056
105	3.0671	7.9701	6.4700	5.1792	8.2642	7.6645	8.3220	5.9984
110	4.3478	50.0000	20.0000	7.0711	17.3205	13.1951	16.3299	12.2297

## 2023 Age Factors and Parameters for Scoring Combined Events

### WOMEN'S AGE FACTORS

age	60m	100m	200m	400m	800m	1000m	1500m	60m Hurdles	Short Hurdles
35	0.9991	0.9999	0.9791	0.9824	0.9965	0.9997	0.9849	1.0000	0.9957
40	0.9763	0.9668	0.9482	0.9513	0.9580	0.9629	0.9532	0.9698	0.9609
45	0.9526	0.9345	0.9179	0.9208	0.9205	0.9266	0.9206	0.9371	0.9244
50	0.9281	0.9031	0.8883	0.8909	0.8842	0.8908	0.8871	0.9132	0.9662
55	0.9029	0.8726	0.8594	0.8616	0.8489	0.8556	0.8527	0.8782	0.9230
60	0.8769	0.8429	0.8312	0.8329	0.8147	0.8208	0.8174	0.8732	0.9457
65	0.8502	0.8139	0.8035	0.8047	0.7814	0.7865	0.7814	0.8351	0.8958
70	0.8228	0.7858	0.7764	0.7770	0.7490	0.7527	0.7446	0.8174	1.0788
75	0.7946	0.7584	0.7500	0.7440	0.7169	0.7188	0.7070	0.7765	1.0111
80	0.7658	0.7317	0.7170	0.6970	0.6737	0.6756	0.6651	0.7249	0.9392
85	0.7264	0.6946	0.6669	0.6360	0.6156	0.6173	0.6076	0.6560	0.8483
90	0.6696	0.6396	0.5998	0.5609	0.5425	0.5436	0.5341	0.5699	0.7360
95	0.5956	0.5666	0.5156	0.4718	0.4544	0.4545	0.4446	0.4666	0.6025
100	0.5043	0.4757	0.4142	0.3686	0.3514	0.3500	0.3390	0.3461	0.4477
105	0.3958	0.3669	0.2957	0.2514	0.2332	0.2300	0.2175	0.2085	0.2719
110	0.2700	0.2400	0.1600	0.1200	0.1000	0.0939	0.0800	0.0538	0.0750

Age	High Jump	Pole Vault	Long Jump	Shot Put	Discus	Hammer	Javelin	Weight
35	1.0136	1.0129	1.0385	1.0462	1.0000	1.0000	1.0438	1.0000
40	1.0631	1.0708	1.0972	1.1125	1.0187	1.0496	1.1218	1.0668
45	1.1159	1.1351	1.1608	1.1867	1.0856	1.1190	1.2110	1.1405
50	1.1724	1.2070	1.2299	1.1551	1.0078	1.0911	1.2293	0.9978
55	1.2330	1.2881	1.3051	1.2420	1.0873	1.1783	1.3425	1.0704
60	1.2981	1.3800	1.3876	1.2252	0.9653	1.1709	1.3675	1.0071
65	1.3683	1.4854	1.4783	1.3317	1.0590	1.2865	1.5184	1.0854
70	1.4442	1.6073	1.5787	1.3036	1.1746	1.2785	1.5566	1.0263
75	1.5267	1.7502	1.6917	1.4385	1.3205	1.4403	1.7731	1.1233
80	1.6166	1.9199	1.8448	1.3885	1.5103	1.4301	1.8402	1.0544
85	1.7149	2.1548	2.0674	1.5671	1.7672	1.6779	2.1894	1.2044
90	1.8493	2.5212	2.4042	1.7971	2.1341	2.0327	2.6989	1.4230
95	2.0563	3.1395	2.9522	2.1043	2.7000	2.5823	3.4861	1.7680
100	2.3825	4.3531	3.9676	2.5361	3.6863	3.5446	4.7841	2.3883
105	2.9328	7.6795	6.4179	3.1876	5.8353	5.5959	7.2999	3.8185
110	4.0000	50.0000	20.0000	4.2841	14.1421	12.8565	14.1421	10.5283

## 2023 Parameters

### MEN

60 m	a=58.015	b=11.5s	c=1.81
100m	a=25.4347	b=18s	c=1.81
200m	a=5.8425	b=38s	c=1.81
400m	a=1.53775	b=82s	c=1.81
1000m	a=.08713	b=305.5s	c=1.85
1500m	a=.03768	b=480s	c=1.85
60m Hurdles	a=20.5173	b=15.5s	c=1.92
110m Hurdles	a=5.74352	b=28.5s	c=1.92
High Jump	a=.8465	b=75cm	c=1.42
Pole Vault	a=.2797	b=100cm	c=1.35
Long Jump	a=.14354	b=220cm	c=1.40
Shot Put	a=51.39	b=1.5m	c=1.05
Discus	a=12.91	b=4m	c=1.10
Hammer	a=13.0941	b=5.5m	c=1.05
Javelin	a=10.14	b=7m	c=1.08
Weight	a=47.8338	b=1.5m	c=1.05

### WOMEN

60 m	a=46.0849	b=13s	c=1.81
100m	a=17.857	b=21s	c=1.81
200m	a=4.99087	b=42.5s	c=1.81
400m	a=1.34285	b=91.7s	c=1.81
800m	a=.11193	b=254s	c=1.88
60m Hurdles	a=20.0479	b=17s	c=1.835
100m Hurdles	a=9.23076	b=26.7s	c=1.835
High Jump	a=1.84523	b=75cm	c=1.348
Pole Vault	a=.44125	b=100	c=1.35
Long Jump	a=.188807	b=210cm	c=1.41
Shot Put	a=56.0211	b=1.5m	c=1.05
Discus	a=12.3311	b=3m	c=1.10
Hammer	a=13.3174	b=5m	c=1.05
Javelin	a=15.9803	b=3.8m	c=1.04
Weight	a=44.2593	b=1.5m	c=1.05