

# The Official Almanac & Conversion Tables of the International Metric Perpetuity Scale (IMPS)

The International Metric Perpetuity Scale is a decimal time system that divides each day into 10 hours, each hour into 100 minutes and each minute into 100 seconds.

y/x (x/y)	IMPS sec	IMPS min	IMPS hour	RT sec	RT min	RT hour	Day
RT sec	0.864	86.4	8640	1	60	3600	86400
RT min	0.0144	1.44	144	0.017	1	60	1440
RT hours	0.00024	0.024	2.4	0.00028	0.017	1	24
IMPS sec	1	100	10000	1.157	69.42	4165.2	100000
IMPS min	0.01	1	100	0.01157	0.6942	41.652	1000
IMPS hours	0.0001	0.01	1	0.0001157	0.006942	0.41652	10

Below is the conversion from IMPS time to RT (real time) this only works with Greenwich mean time because of the different time zones (see below).

## IMPS (GMT) to RT (GMT)

IMPS hours\ mins	0	10	20	30	40	50	60	70	80	90
0	0:00	0:14	0:29	0:43	0:57	1:12	1:26	1:41	1:55	2:10
1	2:24	2:38	2:53	3:07	3:21	3:36	3:50	4:05	4:19	4:34
2	4:48	5:02	5:17	5:31	5:45	6:00	6:14	6:29	6:43	6:58
3	7:12	7:26	7:41	7:55	8:09	8:24	8:38	8:53	9:07	9:22
4	9:36	9:50	10:05	10:19	10:33	10:48	11:02	11:17	11:31	11:46
5	12:00	12:14	12:29	12:43	12:57	13:12	13:26	13:41	13:55	14:10
6	14:24	14:38	14:53	15:07	15:21	15:36	15:50	16:05	16:19	16:34
7	16:48	17:02	17:17	17:31	17:45	18:00	18:14	18:29	18:43	18:58
8	19:12	19:26	19:41	19:55	20:09	20:24	20:38	20:53	21:07	21:22
9	21:36	21:50	22:05	22:19	22:33	22:48	23:02	23:17	23:31	23:46

NB add 0:01.4 for any additional IMPS minute after this, to calculate to the second, add 0:00:00.864 for each IMPS second.

All times given are rounded to the minute.

**RT (GMT) to IMPS (GMT)**

RT hours\mins	0	10	20	30	40	50
0	0:00	0:07	0:14	0:21	0:28	0:35
1	0:42	0:49	0:56	0:63	0:70	0:77
2	0:83	0:90	0:97	1:04	1:11	1:18
3	1:25	1:32	1:39	1:46	1:53	1:60
4	1:67	1:74	1:81	1:88	1:95	2:02
5	2:08	2:15	2:22	2:29	2:36	2:43
6	2:50	2:57	2:64	2:71	2:78	2:85
7	2:91	2:98	3:05	3:12	3:19	3:26
8	3:33	3:40	3:47	3:54	3:61	3:68
9	3:75	3:82	3:89	3:96	4:03	4:10
10	4:16	4:23	4:30	4:37	4:44	4:51
11	4:58	4:65	4:72	4:79	4:86	4:93
12	5:00	5:07	5:14	5:21	5:28	5:35
13	5:41	5:48	5:55	5:62	5:69	5:76
14	5:83	5:90	5:97	6:04	6:11	6:18
15	6:25	6:32	6:39	6:46	6:53	6:60
16	6:67	6:74	6:81	6:88	6:94	7:01
17	7:08	7:15	7:22	7:29	7:36	7:43
18	7:50	7:57	7:64	7:71	7:78	7:85
19	7:92	7:99	8:06	8:13	8:19	8:26
20	8:33	8:40	8:47	8:54	8:61	8:68
21	8:75	8:82	8:89	8:96	9:03	9:10
22	9:17	9:24	9:31	9:38	9:44	9:51
23	9:58	9:65	9:72	9:79	9:86	9:93

NB. Add 0:00.7 for all additional RT minutes, for seconds add 0:00:01.157 for every RT second.

All times given are rounded to the minute.

**Time Zones**

Below is information concerning time zones, this shows how much to add after you have given a value to IMPS (GMT) and also before you give a value to RT (GMT) when converting the other way. Because of the huge numbers of countries, countries are divided up into continents and some countries may come under the “All other countries” category in continents which contain many countries” to calculate for small groups of countries, 0.5 hour sections are 18° and 0 is the 18° section to the west of the Greenwich Meridian. The International Date Line is still located in the same place.

**Africa**

<b>Country</b>	<b>To IMPS (Time Zone)</b>	<b>From IMPS</b>
Abidjan	0	0
Algeria	0	0
Angola	0	0
Benin	0	0
Botswana	0	0
Burkina Faso	0	0
Cameroon	0	0
Chad	0	0
Congo	0	0
Dem. Rep. Of The Congo	0	0
Equatorial Guinea	0	0
Gabon	0	0
Ghana	0	0
Guinea	0	0
Guinea Bissau	0	0
Liberia	0	0
Libya	0	0
Mali	0	0
Mauritania	0	0
Morocco	0	0
Namibia	0	0
Niger	0	0
Nigeria	0	0
Senegal	0	0
Sierra-Leone	0	0
South Africa	0	0
Togo	0	0
Tunisia	0	0
Western Sahara	0	0
<b>All Other African Nations</b>	<b>1</b>	<b>-1</b>

**N. America**

<b>Time Zone</b>	<b>To IMPS (Time Zone)</b>	<b>From IMPS</b>
Alaska	-4	4
Atlantic	-1.5	1.5
Central	-2.5	2.5
Eastern	-2	2
Mountain	-3	3
Pacific	-3	3

**S. America**

Country	To IMPS (Time Zone)	From IMPS
Argentina	-1.5	1.5
Bolivia	-1.5	1.5
Brazil	-1.5	1.5
Chile	-2	2
Colombia	-2	2
Ecuador	-2	2
French Guiana	-1	1
Guyana	-1.5	1.5
Panama	-2	2
Paraguay	-1.5	1.5
Peru	-2	2
Surinam	-1.5	1.5
Uruguay	-1.5	1.5
Venezuela	-1.5	1.5

**Australasia and Indonesia**

Country	To IMPS (Time Zone)	From IMPS
Australia	4	-4
Banjarmasin	3	-3
Borneo	3	-3
Irian Jaya	3	-3
Java	3	-3
New Zealand	5	-5
Papua New Guinea	4	-4
Sumatra	3	-3

**Europe**

Country	To IMPS (Time Zone)	From IMPS
Austria	0.5	-0.5
Belgium	0.5	-0.5
Czech Republic	0.5	-0.5
Denmark	0.5	-0.5
France	0.5	-0.5
Germany	0.5	-0.5
Italy	0.5	-0.5
Luxembourg	0.5	-0.5
Netherlands	0.5	-0.5
Norway	0.5	-0.5
Portugal	0	0
Spain	0	0
Sweden	0.5	-0.5
Switzerland	0.5	-0.5
United Kingdom	0	0
<b>All Other European Nations</b>	1	-1

**Asia**

<b>Country</b>	<b>To IMPS (Time Zone)</b>	<b>From IMPS</b>
Afghanistan	2	-2
Armenia	1.5	-1.5
Azer Baydzan	1.5	-1.5
Bangladesh	3	-3
Bhutan	3	-3
Burma (Myanmar)	3	-3
Cambodia	3	-3
China	3	-3
Georgia	1.5	-1.5
India	2.5	-2.5
Iran	1.5	-1.5
Iraq	1.5	-1.5
Israel	1	-1
Jordan	1	-1
Kazakhstan	2	-2
Kyrgyz Stan	2	-2
Kuwait	1.5	-1.5
Laos	3	-3
Lebanon	1	-1
Malaysia	3	-3
Mongolia	3	-3
Nepal	2.5	-2.5
Oman	1.5	-1.5
Pakistan	2	-2
Russia	2,3,4,5	,-2,-3,-4,-5
Qatar	1.5	-1.5
Saudi Arabia	1.5	-1.5
Sri Lanka	2.5	-2.5
Syria	1	-1
Tajikistan	2	-2
Thailand	3	-3
Turkmenistan	2	-2
Turkey	1	-1
United Arab Emirates	1.5	-1.5
Uzbekistan	2	-2
Viet-Nam	3	-3
Yemen	1.5	-1.5
<b>All other Asian Nations</b>	<b>4</b>	<b>-4</b>