

San Fransisco, CA, United States (37° 46' N , 122° 25' W)

-8.00 Hours from GMT

Islamic Academy ©

QIBLA = 18° 30' East of North

PERPETUAL (PERMANENT) HANFI SAUM-O-SALAT TIMETABLE

Salah Time Tables never expire because of the sun rotation.

JANUARY								FEBRUARY								MARCH (Please adjust DST accordingly)							
Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha	Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha	Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha
1	5:50	7:24	11:27	12:13	3:22	5:05	6:36	1	5:43	7:13	11:39	12:24	3:53	5:36	7:03	1	5:14	6:42	11:40	12:23	4:21	6:06	7:30
2	5:51	7:25	11:28	12:14	3:23	5:05	6:36	2	5:43	7:13	11:40	12:24	3:55	5:37	7:04	2	5:13	6:40	11:40	12:23	4:22	6:07	7:31
3	5:51	7:25	11:28	12:14	3:24	5:06	6:37	3	5:42	7:12	11:40	12:24	3:55	5:38	7:05	3	5:11	6:39	11:39	12:22	4:23	6:08	7:32
4	5:51	7:25	11:29	12:15	3:25	5:07	6:38	4	5:41	7:11	11:40	12:24	3:57	5:40	7:06	4	5:10	6:37	11:39	12:22	4:24	6:09	7:33
5	5:51	7:25	11:29	12:15	3:25	5:08	6:38	5	5:41	7:10	11:41	12:24	3:58	5:41	7:07	5	5:09	6:36	11:39	12:22	4:25	6:10	7:34
6	5:51	7:25	11:30	12:16	3:27	5:09	6:39	6	5:40	7:09	11:41	12:24	3:59	5:42	7:08	6	5:07	6:34	11:39	12:22	4:25	6:11	7:35
7	5:52	7:26	11:31	12:17	3:27	5:10	6:40	7	5:39	7:08	11:41	12:24	4:00	5:43	7:09	7	5:06	6:33	11:39	12:22	4:26	6:12	7:36
8	5:52	7:25	11:31	12:17	3:28	5:10	6:41	8	5:38	7:07	11:41	12:24	4:01	5:44	7:10	8	5:04	6:31	11:38	12:21	4:27	6:13	7:37
9	5:51	7:25	11:31	12:17	3:29	5:12	6:42	9	5:37	7:06	11:41	12:24	4:02	5:45	7:11	9	5:03	6:30	11:38	12:21	4:28	6:14	7:38
10	5:51	7:25	11:31	12:17	3:30	5:12	6:43	10	5:36	7:05	11:41	12:25	4:03	5:46	7:12	10	5:01	6:29	11:38	12:21	4:29	6:15	7:39
11	5:51	7:24	11:32	12:18	3:31	5:13	6:43	11	5:35	7:04	11:41	12:25	4:04	5:47	7:13	11	6:00	7:27	12:38	1:21	5:29	7:16	8:40
12	5:51	7:24	11:32	12:18	3:32	5:14	6:44	12	5:34	7:03	11:41	12:25	4:05	5:48	7:14	12	5:58	7:26	12:37	1:20	5:30	7:17	8:41
13	5:51	7:24	11:32	12:19	3:33	5:15	6:45	13	5:33	7:02	11:41	12:25	4:06	5:50	7:15	13	5:57	7:24	12:37	1:20	5:31	7:18	8:42
14	5:51	7:24	11:33	12:19	3:34	5:16	6:46	14	5:32	7:01	11:41	12:25	4:07	5:51	7:16	14	5:55	7:22	12:37	1:20	5:32	7:19	8:43
15	5:51	7:23	11:34	12:19	3:35	5:18	6:47	15	5:31	6:59	11:41	12:24	4:08	5:51	7:17	15	5:54	7:21	12:37	1:19	5:32	7:20	8:44
16	5:51	7:23	11:35	12:20	3:36	5:19	6:48	16	5:30	6:58	11:41	12:24	4:09	5:53	7:18	16	5:52	7:20	12:36	1:19	5:33	7:21	8:45
17	5:50	7:23	11:35	12:20	3:37	5:20	6:49	17	5:29	6:57	11:41	12:24	4:10	5:54	7:19	17	5:51	7:18	12:36	1:19	5:34	7:22	8:46
18	5:50	7:22	11:35	12:20	3:38	5:21	6:50	18	5:28	6:56	11:41	12:24	4:11	5:55	7:20	18	5:49	7:17	12:36	1:19	5:35	7:23	8:47
19	5:50	7:22	11:36	12:21	3:39	5:22	6:51	19	5:27	6:55	11:41	12:24	4:12	5:56	7:21	19	5:47	7:15	12:35	1:18	5:35	7:24	8:48
20	5:50	7:21	11:36	12:21	3:41	5:23	6:52	20	5:26	6:53	11:41	12:24	4:13	5:57	7:22	20	5:45	7:13	12:35	1:18	5:36	7:25	8:50
21	5:49	7:21	11:36	12:21	3:41	5:24	6:52	21	5:24	6:52	11:41	12:24	4:14	5:58	7:23	21	5:44	7:12	12:34	1:18	5:37	7:25	8:50
22	5:49	7:21	11:37	12:22	3:42	5:25	6:53	22	5:23	6:51	11:41	12:24	4:15	5:59	7:24	22	5:42	7:10	12:34	1:17	5:37	7:26	8:51
23	5:49	7:20	11:37	12:22	3:44	5:26	6:54	23	5:22	6:49	11:41	12:24	4:16	6:00	7:25	23	5:41	7:09	12:34	1:17	5:38	7:27	8:52
24	5:48	7:19	11:37	12:22	3:45	5:27	6:55	24	5:21	6:48	11:41	12:24	4:17	6:01	7:26	24	5:39	7:08	12:33	1:17	5:38	7:28	8:53
25	5:48	7:19	11:38	12:22	3:46	5:28	6:56	25	5:20	6:47	11:41	12:23	4:18	6:02	7:26	25	5:37	7:06	12:33	1:16	5:39	7:29	8:55
26	5:47	7:18	11:38	12:23	3:47	5:29	6:57	26	5:18	6:46	11:40	12:23	4:19	6:03	7:28	26	5:36	7:04	12:33	1:16	5:40	7:30	8:56
27	5:47	7:17	11:39	12:23	3:48	5:31	6:58	27	5:17	6:44	11:40	12:23	4:19	6:04	7:28	27	5:34	7:03	12:32	1:16	5:40	7:31	8:57
28	5:46	7:17	11:38	12:23	3:49	5:31	6:59	28	5:15	6:43	11:40	12:23	4:20	6:05	7:30	28	5:32	7:01	12:32	1:16	5:41	7:32	8:58
29	5:46	7:16	11:39	12:23	3:50	5:33	7:00	29	5:14	6:42	11:39	12:23	4:21	6:06	7:31	29	5:31	7:00	12:32	1:15	5:42	7:33	8:59
30	5:45	7:15	11:39	12:23	3:51	5:34	7:01	30	5:13	6:41	11:39	12:23	4:22	6:07	7:32	30	5:29	6:58	12:31	1:15	5:42	7:34	9:00
31	5:44	7:14	11:39	12:24	3:52	5:35	7:02	31	5:12	6:40	11:39	12:24	4:23	6:08	7:33	31	5:27	6:57	12:31	1:15	5:43	7:35	9:01

"Zawal Begins" = End time for Ishraq & Chasht
Makruh time between "Zawal Begin" & "Zuhr"

For safety add 5 minutes after start time & subtract 5 minutes from ending time for sahari & all prayer times; add only 2 minutes after start time for Maghrib & Iftar.

"Zawal Begins" = End time for Ishraq & Chasht. Makruh time is between "Zawal Begin" & "Zuhr". Niyat for Ramadhan & Nafl fasting can be done until "Zawal Begin"

APRIL								MAY								JUNE							
Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha	Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha	Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha
1	5:26	6:55	12:30	1:14	5:43	7:35	9:02	1	4:35	6:14	12:19	1:07	5:59	8:03	9:39	1	3:57	5:49	12:12	1:08	6:13	8:28	10:17
2	5:24	6:54	12:30	1:14	5:44	7:36	9:03	2	4:34	6:13	12:19	1:07	6:00	8:04	9:40	2	3:57	5:48	12:13	1:08	6:14	8:29	10:18
3	5:22	6:52	12:29	1:14	5:44	7:37	9:04	3	4:32	6:11	12:18	1:07	6:00	8:05	9:41	3	3:56	5:48	12:13	1:08	6:14	8:30	10:19
4	5:21	6:51	12:29	1:13	5:45	7:38	9:05	4	4:30	6:10	12:18	1:07	6:01	8:06	9:43	4	3:55	5:48	12:12	1:08	6:15	8:30	10:20
5	5:19	6:49	12:29	1:13	5:46	7:39	9:06	5	4:29	6:09	12:17	1:07	6:01	8:06	9:44	5	3:55	5:48	12:13	1:08	6:15	8:31	10:21
6	5:17	6:48	12:28	1:13	5:46	7:40	9:08	6	4:27	6:08	12:17	1:07	6:02	8:07	9:45	6	3:54	5:47	12:13	1:08	6:16	8:32	10:22
7	5:15	6:46	12:28	1:13	5:47	7:41	9:09	7	4:26	6:07	12:17	1:07	6:02	8:08	9:46	7	3:54	5:47	12:13	1:09	6:16	8:32	10:22
8	5:14	6:45	12:28	1:12	5:47	7:42	9:10	8	4:24	6:06	12:16	1:07	6:03	8:09	9:48	8	3:54	5:47	12:13	1:09	6:16	8:33	10:23
9	5:12	6:43	12:27	1:12	5:48	7:43	9:11	9	4:23	6:05	12:16	1:07	6:03	8:10	9:49	9	3:53	5:47	12:13	1:09	6:16	8:33	10:24
10	5:10	6:42	12:27	1:12	5:48	7:44	9:12	10	4:22	6:04	12:16	1:07	6:03	8:11	9:50	10	3:53	5:47	12:13	1:09	6:17	8:34	10:25
11	5:09	6:41	12:26	1:11	5:49	7:44	9:13	11	4:20	6:03	12:16	1:06	6:04	8:12	9:52	11	3:52	5:47	12:13	1:09	6:17	8:34	10:25
12	5:07	6:39	12:26	1:11	5:49	7:45	9:15	12	4:19	6:02	12:15	1:06	6:04	8:12	9:53	12	3:52	5:47	12:13	1:10	6:17	8:35	10:26
13	5:05	6:38	12:25	1:11	5:50	7:46	9:16	13	4:17	6:01	12:15	1:06	6:05	8:13	9:54	13	3:52	5:46	12:13	1:10	6:18	8:35	10:27
14	5:03	6:36	12:25	1:11	5:51	7:47	9:17	14	4:16	6:00	12:15	1:06	6:05	8:14	9:56	14	3:52	5:47	12:13	1:10	6:18	8:35	10:27
15	5:01	6:35	12:24	1:10	5:51	7:48	9:18	15	4:15	6:00	12:15	1:06	6:06	8:15	9:57	15	3:52	5:47	12:14	1:10	6:18	8:36	10:28
16	5:00	6:33	12:24	1:10	5:52	7:49	9:19	16	4:14	5:59	12:15	1:06	6:06	8:16	9:58	16	3:52	5:47	12:14	1:10	6:19	8:36	10:28
17	4:58	6:32	12:24	1:10	5:52	7:50	9:21	17	4:12	5:58	12:14	1:06	6:07	8:17	9:59	17	3:52	5:47	12:14	1:11	6:19	8:37	10:29
18	4:56	6:30	12:23	1:10	5:53	7:51	9:22	18	4:11	5:57	12:14	1:06	6:07	8:18	10:01	18	3:52	5:47	12:14	1:11	6:19	8:37	10:29
19	4:55	6:29	12:23	1:09	5:53	7:52	9:23	19	4:10	5:56	12:14	1:06	6:08	8:18	10:02	19	3:52	5:47	12:14	1:11	6:19	8:37	10:29
20	4:53	6:28	12:23	1:09	5:54	7:53	9:25	20	4:09	5:56	12:14	1:07	6:08	8:20	10:03	20	3:52	5:47	12:14	1:11	6:20	8:37	10:30
21	4:51																						

San Fransisco, CA, United States (37° 46' N , 122° 25' W)

-8.00 Hours from GMT

Islamic Academy ©

QIBLA = 18° 30' East of North

PERPETUAL (PERMANENT) HANFI SAUM-O-SALAT TIMETABLE

Salah Time Tables never expire because of the sun rotation.

JULY									AUGUST									SEPTEMBER								
Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha		Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha		Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha	
1	3:57	5:51	12:18	1:14	6:21	8:39	10:30		1	4:29	6:13	12:25	1:16	6:14	8:22	10:02		1	5:07	6:39	12:25	1:10	5:48	7:43	9:12	
2	3:57	5:51	12:18	1:14	6:21	8:39	10:30		2	4:31	6:14	12:26	1:16	6:14	8:21	10:01		2	5:09	6:40	12:25	1:10	5:47	7:42	9:10	
3	3:58	5:52	12:18	1:14	6:21	8:38	10:29		3	4:32	6:14	12:26	1:16	6:13	8:20	10:00		3	5:10	6:41	12:25	1:10	5:46	7:40	9:09	
4	3:58	5:52	12:18	1:14	6:22	8:38	10:29		4	4:34	6:15	12:26	1:16	6:12	8:19	9:58		4	5:11	6:42	12:25	1:09	5:44	7:39	9:07	
5	3:59	5:53	12:18	1:14	6:21	8:38	10:28		5	4:34	6:16	12:26	1:16	6:12	8:18	9:57		5	5:12	6:43	12:24	1:09	5:43	7:37	9:05	
6	4:00	5:54	12:19	1:15	6:21	8:38	10:28		6	4:36	6:17	12:26	1:16	6:11	8:17	9:55		6	5:13	6:44	12:24	1:09	5:42	7:36	9:03	
7	4:01	5:54	12:19	1:15	6:21	8:37	10:27		7	4:37	6:18	12:26	1:16	6:11	8:16	9:54		7	5:14	6:45	12:24	1:08	5:41	7:34	9:02	
8	4:02	5:55	12:19	1:15	6:21	8:37	10:27		8	4:38	6:19	12:27	1:16	6:10	8:15	9:52		8	5:15	6:46	12:24	1:08	5:40	7:33	9:00	
9	4:03	5:55	12:20	1:15	6:21	8:37	10:26		9	4:40	6:20	12:27	1:16	6:09	8:14	9:51		9	5:17	6:47	12:24	1:08	5:38	7:31	8:58	
10	4:04	5:56	12:20	1:15	6:21	8:37	10:26		10	4:41	6:21	12:27	1:16	6:08	8:12	9:49		10	5:17	6:47	12:23	1:07	5:37	7:30	8:57	
11	4:05	5:56	12:20	1:15	6:21	8:36	10:25		11	4:42	6:21	12:27	1:15	6:08	8:11	9:47		11	5:19	6:48	12:23	1:07	5:36	7:28	8:55	
12	4:06	5:57	12:21	1:15	6:21	8:36	10:24		12	4:44	6:22	12:27	1:15	6:07	8:10	9:46		12	5:19	6:49	12:23	1:07	5:35	7:27	8:53	
13	4:07	5:58	12:21	1:16	6:21	8:35	10:23		13	4:45	6:23	12:27	1:15	6:06	8:09	9:44		13	5:20	6:50	12:22	1:06	5:34	7:25	8:51	
14	4:08	5:58	12:21	1:16	6:21	8:35	10:23		14	4:46	6:24	12:27	1:15	6:05	8:08	9:43		14	5:22	6:51	12:23	1:06	5:32	7:24	8:50	
15	4:09	5:59	12:22	1:16	6:21	8:35	10:22		15	4:47	6:25	12:27	1:15	6:05	8:07	9:41		15	5:22	6:51	12:22	1:06	5:31	7:22	8:48	
16	4:10	6:00	12:22	1:16	6:20	8:34	10:21		16	4:49	6:26	12:27	1:15	6:03	8:05	9:39		16	5:23	6:52	12:21	1:05	5:30	7:20	8:46	
17	4:11	6:01	12:22	1:16	6:20	8:33	10:20		17	4:50	6:27	12:27	1:14	6:03	8:04	9:38		17	5:24	6:53	12:21	1:05	5:29	7:19	8:45	
18	4:12	6:01	12:22	1:16	6:20	8:33	10:19		18	4:51	6:27	12:27	1:14	6:02	8:03	9:36		18	5:25	6:54	12:21	1:05	5:27	7:17	8:43	
19	4:14	6:02	12:23	1:16	6:20	8:32	10:18		19	4:52	6:28	12:26	1:14	6:01	8:01	9:34		19	5:27	6:55	12:21	1:04	5:26	7:16	8:41	
20	4:15	6:03	12:23	1:16	6:19	8:32	10:17		20	4:53	6:29	12:26	1:14	6:00	8:00	9:33		20	5:27	6:56	12:20	1:04	5:25	7:14	8:39	
21	4:16	6:04	12:23	1:16	6:19	8:31	10:16		21	4:55	6:30	12:26	1:13	5:59	7:59	9:31		21	5:28	6:57	12:20	1:04	5:23	7:12	8:38	
22	4:17	6:04	12:23	1:16	6:19	8:30	10:15		22	4:56	6:31	12:26	1:13	5:58	7:57	9:29		22	5:29	6:57	12:20	1:03	5:22	7:11	8:36	
23	4:18	6:05	12:23	1:16	6:18	8:29	10:14		23	4:57	6:32	12:26	1:13	5:57	7:56	9:28		23	5:30	6:58	12:19	1:03	5:21	7:09	8:34	
24	4:19	6:06	12:24	1:16	6:18	8:29	10:12		24	4:58	6:33	12:26	1:13	5:56	7:55	9:26		24	5:31	6:59	12:19	1:02	5:19	7:08	8:33	
25	4:21	6:07	12:24	1:16	6:17	8:28	10:11		25	4:59	6:33	12:26	1:12	5:55	7:53	9:24		25	5:32	7:00	12:19	1:02	5:18	7:06	8:31	
26	4:22	6:08	12:25	1:17	6:17	8:28	10:10		26	5:01	6:35	12:26	1:12	5:54	7:52	9:22		26	5:33	7:01	12:19	1:02	5:17	7:05	8:29	
27	4:23	6:09	12:25	1:17	6:17	8:27	10:09		27	5:02	6:35	12:26	1:12	5:53	7:50	9:21		27	5:34	7:02	12:18	1:01	5:15	7:03	8:28	
28	4:25	6:10	12:25	1:17	6:16	8:25	10:07		28	5:03	6:36	12:26	1:12	5:52	7:49	9:19		28	5:35	7:03	12:18	1:01	5:14	7:02	8:26	
29	4:26	6:10	12:25	1:16	6:16	8:25	10:06		29	5:04	6:37	12:26	1:11	5:51	7:48	9:18		29	5:36	7:04	12:18	1:01	5:13	7:00	8:25	
30	4:27	6:11	12:25	1:16	6:15	8:24	10:05		30	5:05	6:38	12:25	1:11	5:50	7:46	9:16		30	5:37	7:04	12:18	1:00	5:12	6:59	8:23	
31	4:28	6:12	12:25	1:16	6:15	8:23	10:04		31	5:06	6:39	12:25	1:11	5:49	7:45	9:14										

For safety add 5 minutes after start time & subtract 5 minutes from ending time for sahari & all prayer times; add only 2 minutes after start time for Maghrib & Iftar.

"Zawal Begins" = End time for Ishraq & Chasht. Makhruh time is between "Zawal Begin" & "Zuhr". Niyat for Ramadhan & Nafl fasting can be done until "Zawal Begin"

OCTOBER									NOVEMBER (Please adjust DST accordingly)									DECEMBER								
Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha		Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha		Date	Fajr	Sunrise	Zawal Begins	Zuhr	Asr	Maghrib	Isha	
1	5:37	7:05	12:17	1:00	5:10	6:57	8:21		1	6:06	7:35	12:10	12:54	4:32	6:15	7:41		1	5:33	7:06	11:13	11:59	3:12	4:54	6:24	
2	5:39	7:06	12:17	1:00	5:09	6:56	8:20		2	6:07	7:36	12:10	12:54	4:31	6:14	7:40		2	5:33	7:06	11:13	11:59	3:12	4:54	6:24	
3	5:40	7:08	12:17	12:59	5:07	6:54	8:18		3	6:08	7:37	12:10	12:54	4:30	6:13	7:39		3	5:35	7:08	11:14	12:00	3:12	4:54	6:24	
4	5:40	7:07	12:16	12:59	5:06	6:52	8:17		4	6:09	7:38	12:10	12:54	4:29	6:12	7:38		4	5:35	7:08	11:14	12:00	3:12	4:54	6:24	
5	5:42	7:09	12:16	12:59	5:05	6:51	8:15		5	5:10	6:39	11:10	11:54	3:28	5:11	6:37		5	5:35	7:08	11:14	12:01	3:12	4:54	6:24	
6	5:43	7:10	12:16	12:59	5:04	6:49	8:14		6	5:11	6:40	11:10	11:54	3:27	5:10	6:36		6	5:37	7:10	11:15	12:01	3:12	4:54	6:24	
7	5:43	7:10	12:15	12:58	5:02	6:48	8:12		7	5:11	6:41	11:10	11:54	3:26	5:09	6:36		7	5:37	7:11	11:15	12:01	3:11	4:54	6:24	
8	5:44	7:11	12:15	12:58	5:01	6:47	8:11		8	5:12	6:42	11:10	11:54	3:25	5:08	6:35		8	5:38	7:12	11:16	12:02	3:12	4:54	6:25	
9	5:46	7:13	12:15	12:58	4:59	6:45	8:09		9	5:13	6:43	11:10	11:54	3:24	5:07	6:34		9	5:39	7:13	11:16	12:02	3:12	4:54	6:25	
10	5:47	7:14	12:15	12:57	4:57	6:44	8:08		10	5:14	6:44	11:10	11:54	3:23	5:06	6:33		10	5:39	7:14	11:16	12:03	3:12	4:54	6:25	
11	5:46	7:14	12:14	12:57	4:56	6:42	8:06		11	5:15	6:45	11:10	11:54	3:23	5:05	6:33		11	5:40	7:14	11:17	12:03	3:12	4:54	6:25	
12	5:48	7:15	12:14	12:57	4:56	6:41	8:05		12	5:15	6:46	11:09	11:54	3:22	5:04	6:32		12	5:41	7:15	11:17	12:04	3:12	4:54	6:25	
13	5:49	7:17	12:14	12:57	4:55	6:39	8:04		13	5:16	6:47	11:09	11:54	3:21	5:03	6:31		13	5:42	7:16	11:18	12:04	3:12	4:55	6:26	
14	5:51	7:18	12:14	12:56	4:53	6:38	8:02		14	5:18	6:49	11:10	11:55	3:20	5:03	6:31		14	5:42	7:16	11:18	12:05	3:12	4:55	6:26	
15	5:50	7:17	12:13	12:56	4:52	6:36	8:01		15	5:19	6:50	11:10	11:55	3:20	5:02	6:30		15	5:43	7:17	11:19	12:05	3:12	4:55	6:26	
16	5:51	7:19	12:13	12:56	4:51	6:35	7:59		16	5:20	6:51	11:10	11:55	3:19	5:01	6:29		16	5:43	7:18	11:19	12:05	3:13	4:55	6:27	
17	5:53	7:20	12:13	12:56	4:49	6:34	7:57		17	5:20	6:51	11:10	11:55	3:18	5:01	6:29		17	5:44	7:19	11:19	12:06	3:13	4:55	6:27	
18	5:54	7:21	12:13	12:56	4:48	6:33	7:56		18	5:21	6:52	11:10	11:55	3:18	4:59	6:28		18	5:45	7:19	11:20	12:06	3:14	4:56	6:27	
19	5:53	7:21	12:12	12:55	4:47	6:31	7:55		19	5																