

Planning a Time-table

Write the timetable for a hockey tournament.

The first match starts at 14:00 (2:00 p.m.).

Timetable can be worked out using either the 24-hr clock or the 12-hr clock.

Each game is 25 minutes long.

Allow 10 minutes between each game.

Write the start and finish times for 10 games

<u>Game</u>	<u>Start</u>		<u>Finish</u>	
	24 hr – clock	12 hr – clock	24 hr – clock	12 hr – clock
1	14:00	2:00 p.m.	14:25	2:25 p.m.
2	14:35	2:35 p.m.	15:00	3:00 p.m.
3	15:10	3:10 p.m.	15:35	3:35 p.m.
4	15:45	3:45 p.m.	16:10	4:10 p.m.
5	16:20	4:20 p.m.	16:45	4:45 p.m.
6	16:55	4:55 p.m.	17:20	5:20 p.m.
7	17:30	5:30 p.m.	17:55	5:55 p.m.
8	18:05	6:05 p.m.	18:30	6:30 p.m.
9	18:40	6:40 p.m.	19:05	7:05 p.m.
10	19:15	7:15 p.m.	19:40	7:40 p.m.

Extension:

Organizers want the tournament to finish at exactly 19.30 (7:30 p.m.).

The game itself cannot be shortened.

How can this be possible?

What adjustments must be made so that the tournament finishes at exactly 19:30 (7:30 p.m.)?

Modify and write the new time-table.

Example 1 (below).

The tournament finished at 19:40 (7:40 p.m.), therefore to have it end at 19:30 (7:30 p.m.) I need to deduct 10 minutes.

I deducted the first two breaks by 5 minutes (2 x 5 minutes = 10 minutes)

The breaks between Game 1 and Game 2 and between Game 3 and Game 4 are now 5 minutes each.

<u>Game</u>	<u>Start</u>	<u>Finish</u>
1	14:00	14:25
2	14:30	14:55
3	15:00	15:25
4	15:35	16:00
5	16:10	16:35
6	16:45	17:10
7	17:20	17:45
8	17:55	18:20
9	18:30	18:55
10	19:05	19:30

OTHER OPTIONS

1. Start 10 minutes earlier at 13:50/1:50 p.m.
2. Reduce the first/last/any 5 breaks by 2 minutes each.
3. Reduce any two breaks by 5 minutes.
4. Note: If you reduce 1 minute from each break you will only be reducing 9 minutes therefore this will not be enough.

Reduce 1 minute from 9 breaks and 2 minutes from 1 break.

5. Other various answers.