Time & Timetables: Hard Practice Paper 8 Answers

Q#	Answer	Explanation
1	A	The minute hand points at 6, which is 180° round from the top. The hour hand has moved halfway from 9 to 10, so it is at 9.5 × 30 = 285 degrees. The gap between them is 285 − 180 = 105 degrees.
2	D	Service A arrives at 10:40, too early, and services C and D arrive at 12:40 and 13:35, too late. Only service B, arriving at 11:25, falls inside the window.
3	E	Counting on 18 days reaches 30 November, and the 31 days of December bring the total to 18 + 31 = 49. That leaves 60 − 49 = 11 more days, which land on 11 January.
4	C	The table shows Tokyo 9 hours ahead of London, since 21:00 is 9 hours after 12:00. Adding those 9 hours to 09:00 gives 18:00.
5	B	One hour twenty minutes is 60 + 20 = 80 minutes. At 45 turns a minute the wheel makes 45 × 80 = 3600 turns.
6	E	A full turn of 360° stands for 24 hours, so each hour takes 360 ÷ 24 = 15 degrees. The sectors differ by 120 − 105 = 15 degrees, which is exactly 1 hour.
7	E	Five journeys with a mean of 52 minutes total 52 × 5 = 260 minutes. The four given add to 45 + 60 + 48 + 50 = 203, so the fifth is 260 − 203 = 57 minutes.
8	D	From 19:00 to 07:30 is 12 hours and 30 minutes on duty. The breaks take 45 + 15 + 15 = 75 minutes, which is 1 hour 15 minutes, leaving 11 hours 15 minutes of work.
9	B	The first bus leaves at 06:10, 06:30, 06:50 and so on, while the second leaves at 06:00, 06:30 and 07:00. The earliest time on both lists is 06:30.
10	C	From 17:35 on Friday to 17:35 on Sunday is two whole days, which is 48 hours. Sunday 09:20 is earlier than that by 8 hours 15 minutes, so the answer is 48 hours take away 8 hours 15 minutes, which is 39 hours 45 minutes.

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11	D	Two hours is 120 minutes, and 25% is a quarter. A quarter of 120 is 120 ÷ 4 = 30 minutes.
12	C	The whole journey is 270 minutes. One third of that is 270 ÷ 3 = 90 minutes, and one third is what remains, so 90 minutes, which is 1 hour 30 minutes.
13	A	From 1 January to 1 February is 31 days, and 31 is 4 weeks and 3 days, so 1 February is a Thursday. February has 29 days that year, which is 4 weeks and 1 day, so 1 March is one day later still, a Friday.
14	B	The seconds add to 45 + 15 + 50 + 10 = 120, which is 2 whole minutes. The minutes add to 3 + 4 + 3 + 4 = 14, so the race takes 16 minutes, finishing at 14:36.
15	A	From 10:50 to 12:05 is 1 hour and 15 minutes, which is 75 minutes. Losing 8 of those minutes is 8/75 of the lesson, a fraction that will not cancel down.

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