Time & Timetables: Hard Practice Paper 6 Answers

Q#	Answer	Explanation
1	D	The minute hand points at 6, which is 180° round from the top. The hour hand has moved halfway from 4 to 5, so it is at 4.5 × 30 = 135 degrees. The gap between them is 180 − 135 = 45 degrees.
2	B	The 10:30 train reaches Crewe at 11:35 but the connection leaves at 11:42, only 7 minutes later, which is not enough time to change. The 09:40 arrives at 10:45 with 20 minutes to spare and reaches Deal at 12:00, in time.
3	E	January, February and March hold 31 + 28 + 31 = 90 days, so 31 March is the 90th day. Ten days later, 10 April, is the 100th.
4	E	March has 31 days, so the watch gains 15 × 31 = 465 seconds. Since 465 ÷ 60 = 7.75, that is 7 minutes and 45 seconds.
5	D	The three stages take 4 hours 20 minutes, 40 minutes and 3 hours 15 minutes, which add to 8 hours 15 minutes. From 20:45 to 05:00 is 8 hours and 15 minutes.
6	B	A full turn is 360°, so the work sector is 90 out of 360, which is a quarter of the day. A quarter of 24 hours is 24 ÷ 4 = 6 hours.
7	C	They leave together after a number of minutes in both the 15 and 25 times tables, and the lowest is 75 minutes. Starting at 06:00 that gives 06:00, 07:15 and 08:30, since the next would be 09:45.
8	E	Five journeys with a mean of 48 minutes total 48 × 5 = 240 minutes. The four given add to 35 + 52 + 40 + 58 = 185, so the fifth takes 240 − 185 = 55 minutes.
9	A	Boarding closes at 11:00, half an hour before sailing. The drive means leaving by 09:10, and 20 minutes of slack takes that back to 08:50.
10	B	The journey times are 1 hour 45 minutes, 2 hours 5 minutes, 1 hour 35 minutes and 1 hour 50 minutes. The slowest is 125 minutes and the fastest 95, a difference of 125 − 95 = 30 minutes.

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11	A	From 08:00 to 20:00 is 12 hours, and six such days give 12 × 6 = 72 hours. Sunday adds 6 hours, making 72 + 6 = 78 hours.
12	C	One sixth of an hour is 60 ÷ 6 = 10 minutes, so five sixths is 5 × 10 = 50 minutes. From 09:25 to 10:15 is 50 minutes.
13	C	Making 1,000 items takes 1,000 ÷ 8 = 125 minutes. Since 125 is 120 + 5, that is 2 hours 5 minutes.
14	D	From 25 December to 1 January is exactly 7 days, and a week later is always the same day of the week. So New Year's Day is also a Wednesday.
15	A	The delays add up to 18 + 7 = 25 minutes, and making up 5 minutes leaves it 25 − 5 = 20 minutes late. From 14:05 that gives 14:25.

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