Measurement: Units & Conversion: Medium Practice Paper 8 Answers

Q#	Answer	Explanation
1	D	Count down from 8 to 0, which is 8 degrees, and then a further 3 degrees below zero. Altogether the fall is 8 + 3 = 11 degrees.
2	E	Anything above zero is warmer than anything below it, and 3 °C is the only temperature here above freezing. Among the negative ones, −1 °C is the warmest, but it is still colder than 0 °C.
3	D	Rising 7 degrees brings the temperature up to 0 °C, using 7 of the 15 degrees. The other 15 − 7 = 8 degrees take it above zero, so the new temperature is 8 °C.
4	C	March has 31 days, so from 25 March to the end of the month is 31 − 25 = 6 days. Adding the 8 days of April gives 6 + 8 = 14 days.
5	B	February usually has 28 days, but in a leap year an extra day is added at the end, making 29. Leap years come round every four years.
6	B	Count on to the next whole hour first: from 08:47 to 09:00 is 13 minutes. From 09:00 to 13:00 is 4 hours, and then 12 more minutes reach 13:12. That makes 13 + 12 = 25 minutes on top of the 4 hours.
7	A	12:40 am is forty minutes after midnight, and midnight itself is written 00:00 on the 24-hour clock. So the time is 00:40. It is 12:40 in the middle of the day that would be written 12:40.
8	C	Adding 4 hours to 21:50 gives 01:50 the next morning. Adding the last 25 minutes takes it past the hour to 02:15.
9	C	The clock reads a quarter past two. Adding 45 minutes reaches three o'clock, and the remaining 50 − 45 = 5 minutes take it to five past three.
10	C	One pen costs 450 ÷ 6 = 75 pence. Ten pens therefore cost 75 × 10 = 750 pence, which is £7.50.

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11	C	First change the time into minutes: 1 hour 15 minutes is 75 minutes. Each minute holds 60 seconds, so the total is 75 × 60 = 4500 seconds.
12	D	Three days hold 24 × 3 = 72 hours, and each hour holds 60 minutes. So the total is 72 × 60 = 4320 minutes.
13	C	Adding the flight time to the departure gives 09:30 plus 2 hours 45 minutes, which is 12:15 London time. The clocks there are 1 hour ahead, so the local time is 13:15.
14	C	Add the three prices in pence, which are 265, 120 and 55. That gives 265 + 120 + 55 = 440 pence, or £4.40.
15	B	Count on from £7.99 to £8, which is 1 penny, and then from £8 to £20, which is £12. The change is £12 and 1 penny, or £12.01.

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