

- 1 (a) The minimum temperatures at Beijing Airport, for five days, are given in this table.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Temperature ($^{\circ}\text{C}$)	-3	5	-1	2	-4

- (i) Write down the lowest temperature.

Answer(a)(i) -4 $^{\circ}\text{C}$ [1]

- (ii) Write these temperatures in order, starting with the lowest.

Answer(a)(ii) -4 < -3 < -1 < 2 < 5 [1]

- (iii) What is the difference between the temperatures on Monday and Tuesday?

$$5 - (-3) = 5 + 3 \\ = 8$$

Answer(a)(iii) 8 $^{\circ}\text{C}$ [1]

- (b) The table shows part of the timetable for flights from Beijing to Hong Kong.

Beijing	07 45	08 00	09 30
Hong Kong	11 20	11 40	13 05

- (i) At what time does the first plane after midday arrive in Hong Kong?

Answer(b)(i) 13.05 [1]

- (ii) How long, in hours and minutes, does the 0745 flight from Beijing to Hong Kong take?

$$\begin{array}{r} 11.20 \\ 07.45 - \rightarrow 10.80 \\ \hline 03.35 \\ = 3 \text{ h } 35 \text{ min} \end{array}$$

Answer(b)(ii) 3 h 35 min [1]

- (c) A plane travels 1708 km in 3.5 hours.

Work out the average speed of the plane.

Give the units of your answer.

$$\begin{aligned} \text{average speed} &= \frac{\text{Distance}}{\text{Time}} \\ &= \frac{1708 \text{ km}}{3.5 \text{ h}} \\ &= 488 \text{ km/h} \end{aligned}$$

Answer(c) 488 km/h [2]