

1 (a) The number of trains stopping each day, for 20 days, at Pherlak Station is recorded below.

15 14 16 14 13 13 12 15 16 15
14 13 14 13 13 12 11 12 10 10

(i) Complete the table to show the frequency of the number of trains stopping each day.

Number of trains stopping each day	Tally	Frequency
10		2
11		1
12		3
13		5
14		4
15		3
16		2

[2]

(ii) Write down the modal number of trains stopping each day.

Answer(a)(ii) 13 [1]

(iii) Work out the mean number of trains stopping each day.

Mean = $\frac{10 \times 2 + 11 \times 1 + 12 \times 3 + 13 \times 5 + 14 \times 4 + 15 \times 3 + 16 \times 2}{20}$
 $= \frac{20 + 11 + 36 + 65 + 56 + 45 + 32}{20}$
 $= \frac{265}{20} = 13.25$

Answer(a)(iii) 13.25 [2]

(iv) The time of the last train to leave one night is shown on this clock.



Write down this time using the 24-hour clock.

Answer(a)(iv) 23.50 [1]