

2.11 (a) 9 (cm) (A1) (C1) [1 mark]

(b) 40 (leaves) (A1) (C1) [1 mark]

(c) (i)  $(200 \times 0.90 =) 180$  or equivalent (M1)

**Note:** Award (M1) for a horizontal line drawn through the cumulative frequency value of 180 and meeting the curve (or the corresponding vertical line from 10.5 cm).

$(k =) 10.5$  (cm) (A1) (C2)

**Note:** Accept an error of  $\pm 0.1$ .

(ii)  $\left| \frac{9.5 - 10.5}{10.5} \right| \times 100\%$  (M1)

**Notes:** Award (M1) for their correct substitution into the percentage error formula.

9.52 (%) (9.52380... (%)) (A1)(ft) (C2)

**Notes:** Follow through from their answer to part (c)(i).  
Award (A1)(A0) for an answer of  $-9.52$  with or without working.

[4 marks]

**Total [6 marks]**