

Question Number	Scheme	Marks
2.	$1.5 \times 12 = 18$ 20 people represented by 18 (cm <sup>2</sup> ) or 1 person is represented by 0.9 (cm <sup>2</sup> )  $x = \frac{20 \times 94.5}{18}$ oe $= 105$ (people)	M1  M1  A1 cao (3)  <b>Total 3</b>

Question Number	Scheme	Marks
1 (a)	$2 \times 36 = 72$ $8 \times 4 = 32$	M1 A1 (2)
(b)	$[13] + \frac{(204 - 184)}{120} \times 2$	$[13] + \frac{(204.5 - 184)}{120} \times 2$ M1
	$= \frac{40}{3} =$ awrt 13.3	A1 (2)
(c)	Symmetrically distributed/No skew as the mean $\approx$ median	B1 (1)
(d)	$\frac{32}{4} + 152 + \frac{120}{2} [= 220]$	M1
	$\frac{'220'}{408} \times \frac{'219'}{407}$	M1
	$\frac{365}{1258}$ or 0.2901...	awrt 0.29 A1 (3)
<b>Notes</b>		<b>Total 8</b>