15	(a)	63 ÷ 1.5 (= 42) **or** a correct value written on FD scale (10 small squares = FD 10) **or** 10 squares = 1 parcel or 1 big square = 2.5 parcels oe eg area = 18 × 5 + 15 × 42 + 10 × 24 + 10 × 30 + 20 × 8 (= 1420) 3.6 × 1 + 3 × 8.4 + 2 × 4.8 + 2 × 6 + 4 × 1.6 (= 56.8) (at least 3 bars correct for any method of summing area)		3	M1	For use of area related to frequency eg showing a correct unambiguous value on the frequency density scale or calculating the area in some form
		0.5 × 18 + 63 + 1 × 24 + 1 × 30 + 2 × 8 (9 + 63 + 24 + 30 + 16) oe eg "1420" ÷ 10 or "56.8" × 2.5 oe			M1	Total of 5 frequencies with just one error or Area of bars with just one error, with correct calculation to give frequency
			142		A1	
	(b)	0.75 × 24 (= 18) + 30 + 16 (= 64) oe Eg "their (a)" – (9 + 63 + 0.25 × 24) (= 64) (ft figures from (a) dep on M1 for (a))		3	M1ft	(dep on M1 in (a))if working with small squares they may get eg $\frac{640}{1420}$
		$\frac{"64"}{142}\times\frac{"63"}{141}$ (ft their value of 142 from (a))			M1	64 must come from correct working allow $\frac{"64"}{142}\times\frac{"64"}{142}$ (ft their value of 142 from (a))
			$\frac{672}{3337}$		A1	0.201 or better (0.20137…)
						Total 6 marks