

Question	Scheme	Marks
<b>1 (a)</b>	$(180 + 300 + 250 + 410 + 240 + 120 + 230 + 310 + 190)/600$ $= 3.72$	<b>M1</b>
	Lower bound = 4	<b>A1</b>
		<b>(2)</b>
<b>(b)</b>	Van 1: <b>180</b> <b>300</b> 120	<b>M1</b>
	Van 2: <b>250</b> <b>240</b>	
	Van 3: <b>410</b> 190	<b>A1</b>
	Van 4: 230    310	
		<b>(2)</b>
<b>(4 marks)</b>		
<b>Notes</b>		
<b>a1M1</b>	Calculates $(2230 \pm 410)/600$ a calculation using the sum of the activities (accept a total in the range 1820 – 2640) (accept 3.71 as correct truncated value). This can be awarded for sight of the calculation or awrt 3.7	
<b>a1A1</b>	CAO – must follow from a correct calculation or decimal (rounded or truncated), so we must see either $2230/600$ o.e. or awrt 3.7 - an answer of 4 with no working scores M0	
<b>b1M1</b>	The <b>correct</b> first five items placed correctly (the bold values) and at least seven values placed in bins (allow repeated values). Condone cumulative totals or calculation of the remaining space for M1 only	
<b>b2A1</b>	CSO	