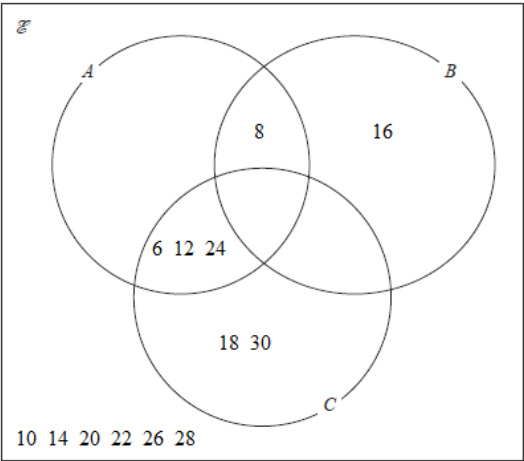


Question	Working	Answer	Mark	Notes
1	(a)	<div>  </div>	3	B3 all regions (including empty regions) correct B2 for at least three (non-empty) regions correct, B1 for two (non-empty) regions correct Repeated values do not gain additional penalties (eg. if region $A \cap B \cap C'$ contains 8 and region $A' \cap B \cap C'$ contains 8 and 16. The first would be considered correct and the second incorrect)
	(b)	6, 12, 24	1	B1 correct or ft their Venn diagram – accept in any brackets eg. {6,12,24}
	(c)	10, 14, 20, 22, 26, 28	1	B1 correct or ft their Venn diagram – accept in any brackets eg, {10, 14, 20, 22, 26, 28}
	(d)	8	1	<div> B1 correct or ft their Venn diagram <div> SC (d) 10,14,18,20,22,26,28,30 (e) 6,8,12,18,24,30 ft their Venn diagram scores B0B1 </div> </div>
	(e)	6	1	<div> B1 correct or ft their Venn diagram <div> SC (d) 10,14,18,20,22,26,28,30 (e) 6,8,12,18,24,30 ft their Venn diagram scores B0B1 </div> </div>
	(f)	$\frac{2}{\text{their } n}$		M1 where n is 13 or the number of elements in their \mathcal{E} , may be seen in working
		$\frac{2}{13}$	2	A1 oe cao
				Total 9 marks