Question	Scheme	
4 (a)	$0.2=\frac{\mathrm{P}(C\cap D)}{0.45}$	M1
	[$\mathrm{P}(C\cap D)$ =] 0.09	A1
		(2)
(b)	$0.59=\mathrm{P}(C)+0.45-"0.09"$ $[\rightarrow \mathrm{P}(C)=0.59-0.45+"0.09"]$	M1
	= 0.23	A1
		(2)
	Notes	**Total 4**
	Mark (a) and (b) together	
(a)	M1 for substitution of 0.2 and 0.45 into a correct equation for $\mathrm{P}(C\cap D)$ (allow any rearrangement)	
	A1 oe correct answer scores 2 out of 2 Must be clearly identified as the answer to part (a). A correct Venn diagram on its own is not sufficient.	
(b)	M1 for correct substitution of 0.59, 0.45 and "their a" into $\mathrm{P}(C\cup D)=\mathrm{P}(C)+\mathrm{P}(D)-\mathrm{P}(C\cap D)$ Implied by "their (b)" – "their(a)" = 0.14 $0.59=\mathrm{P}(C)+0.45$ is M0 Only ft 0 < "their (a)" < 1 If "their (a)" is outside this range, then M0	
	A1 oe correct answer scores 2 out of 2	