4	eg 0.45×180 (= 81) oe **OR** $\frac{15}{180}\left(=\frac{1}{12}\text{ or }0.0833...\right)$ **OR** $\frac{15}{180}\times 100\left(=8.3(33...)\%\right)$		4	M1	for a method to find the number of students studying German **OR** the number of students studying French as a fraction or decimal of the total students **OR** a method to find the percentage of students studying French 81 may be seen as part of an equation
	eg 180 – 15 – "81" (= 84) **or** "81" + 15 (= 96) **OR** $1-\left(\frac{1}{12}+\frac{45}{100}\right)=\left(\frac{7}{15}\text{ or }0.466...\right)$ **or** $\frac{1}{12}+\frac{45}{100}=\left(\frac{8}{15}\text{ or }0.533...\right)$ **OR** 100 – ("8.3" + 45) (= 46.6(66…) or 46.7%) **or** "8.3" + 45 (= 53.3(33…) or 53.3%)			M1	for a method to find the number of students studying Italian/Spanish **or** French/German **OR** a method to find the fraction or decimal of students studying Italian/Spanish **or** French/German **OR** a method to find the percentage of students studying Italian/Spanish **or** French/German 84 or 96 may be seen as part of an equation
	eg $\frac{"84"}{180-"84"}(\times 100)\left(=\frac{7}{8}\text{ or }0.875\right)$ **or** $\frac{"84"}{"96"}(\times 100)\left(=\frac{7}{8}\text{ or }0.875\right)$ **or** $"\frac{7}{15}"\div"\frac{8}{15}"\left(=\frac{7}{8}\text{ or }0.875\right)$ **or** $\frac{"46.6"}{"53.3"}(\times 100)(=0.872...)$			M1	for a complete method to find the fraction or decimal or percentage of Italian/Spanish to French/German
		87.5		A1	accept 87.2 – 87.7
					Total 4 marks