13	$8000\times\left(\frac{100+x}{100}\right)^6=8877.62$ oe **or** $8000\times\left(1+\frac{x}{100}\right)^6=8877.62$ oe **or** $8000\times(1+x\%)^6=8877.62$ **or** $8000\times y^6=8877.62$ oe		3	M1
	$\left(\frac{8877.62}{8000}\right)^{\frac{1}{6}}$ (=1.0175…) or $(1.1097...)^{\frac{1}{6}}$ (=1.0175…)			M1
		1.75		A1
				Total 3 marks

14	$F=\frac{k}{v^2}$ **or** $Fv^2=k$ oe		3	M1	(NB. Not for $F=\frac{1}{v^2}$) Constant of proportionality must be a symbol such as k	M2 for $6.5=\frac{k}{4^2}$ oe
	$6.5=\frac{k}{4^2}$ **or** $k = 6.5 \times 4^2$ **or** $k = 104$			M1	For substitution of F and v into a correct formula	
		$F=\frac{104}{v^2}$		A1	Award 3 marks if $F=\frac{k}{v^2}$ is on the answer line and the value of $k = 104$ is found	
						Total 3 marks