23*	$\sqrt[3]{125}:\sqrt[3]{216}(=5:6)$ oe or $\sqrt[3]{216}:\sqrt[3]{125}(=6:5)$ oe or $\frac{\sqrt[3]{216}}{\sqrt[3]{125}}\left(=\frac{6}{5}\right)$ oe or $\frac{\sqrt[3]{125}}{\sqrt[3]{216}}\left(=\frac{5}{6}\right)$ oe or $\mathbf{L}=\frac{\sqrt[3]{216}}{\sqrt[3]{125}}\mathbf{K}$ oe or $\mathbf{K}=\frac{\sqrt[3]{125}}{\sqrt[3]{216}}\mathbf{L}$ oe or $\mathbf{L}=\frac{6}{5}\mathbf{K}$ oe or $\mathbf{K}=\frac{5}{6}\mathbf{L}$ oe		5	M1 for correct **linear** scale factor for **K** and **L**. May be given as a fraction or a ratio or a decimal or may be stated eg 5 and 6 or setting up an equation between the lengths of **K** and **L** NB Accept 0.83(333…) for $\frac{5}{6}$
	$\sqrt{4}:\sqrt{9}(=2:3)$ oe or $\sqrt{9}:\sqrt{4}(=3:2)$ oe or or $\frac{\sqrt{9}}{\sqrt{4}}\left(=\frac{3}{2}\right)$ oe or $\frac{\sqrt{4}}{\sqrt{9}}\left(=\frac{2}{3}\right)$ oe or or $\mathbf{K}=\frac{\sqrt{4}}{\sqrt{9}}\mathbf{M}$ oe or $\mathbf{M}=\frac{\sqrt{9}}{\sqrt{4}}\mathbf{K}$ oe or $\mathbf{K}=\frac{2}{3}\mathbf{M}$ oe or $\mathbf{M}=\frac{3}{2}\mathbf{K}$ oe			M1 indep for correct **linear** scale factor for **K** and **M**. May be given as a fraction or a ratio or a decimal or may be stated eg 3 and 2 or setting up an equation between the lengths of **K** and **M** NB Accept 0.66(666…) for $\frac{2}{3}$
	(**K** : **L** =) 10 : 12 oe **and** (**K** : **M** =) 10 : 15 oe or (**K** : **L** : **M** =) 10 : 12 : 15 oe eg 5 : 6 : 7.5 or ….. : 12 : 15 or (**L** : **M** =) 12 : 15 oe eg 6 : 7.5 or $\mathbf{L}\times\frac{5}{6}=\mathbf{M}\times\frac{2}{3}$ oe or $\mathbf{L}\times\frac{3}{2}=\mathbf{M}\times\frac{6}{5}$ oe			M1 implies the previous M2 for finding two **linear** scale factor (ratios) where the value for **K** is equal for a comparison or **(K :) L** : **M** scale factor ratio or setting up an equation between the lengths of **M** and **L** SCB3 for a student who gains M2 and gives the answer of 20(%)
	eg $\frac{15-12}{12}(=0.25)$ oe **or** $\frac{15}{12}(=1.25)$ oe or $\frac{15}{12}\times100(=125)$ oe or $\frac{15-12}{12}\times100$ oe			M1 dep on M2 for a correct method to find 0.25 or 1.25 or 125 or for a complete method to find the value of *y*
	Working required	25		A1 dep on M2
				Total 5 marks