Question	Answer	Mark	Mark scheme	Additional guidance
11	125	P1	for setting up an equation with a constant term, eg $T = \dfrac{k}{w}$ or $w = K\sqrt[3]{d}$	Condone the use of 'α' instead of '=' for the first two P marks Equation can be implied by correct substitution
		P1	for a process to substitute values in one equation, eg $20 = \dfrac{k}{6}$ or $k = 120$ or $1 = K\sqrt[3]{8}$ or $K = \dfrac{1}{2}$ oe	
		P1	(dep P2) for combining the two equations ft their values of k and K, eg $T = \dfrac{"120"}{"\frac{1}{2}"\sqrt[3]{d}}$ oe **OR** for a correct process to find the value of w when $T = 48$, eg $w = \dfrac{"120"}{48}$ $(= 2.5$ oe$)$	$T = \dfrac{120}{w}$ $\quad$ $w = \dfrac{1}{2}\sqrt[3]{d}$
		P1	for substitution into their formula, eg $48 = \dfrac{"120"}{"\frac{1}{2}"\sqrt[3]{d}}$ **OR** for substitution of found value of w in the equation for d, eg $"2.5" = "\frac{1}{2}"\sqrt[3]{d}$	
		A1	cao	