15	eg $40 = \frac{k}{1.5^2}$ **or** $k = 90$ **or** $\frac{C^2}{1.5^2} = \frac{40}{1000} (= 0.04)$ **or** $(C^2 =) 1.5^2 \times \frac{40}{1000} (= 0.09)$ **or** $\frac{1.5^2}{C^2} = \frac{1000}{40} (= 25)$ **or** $(C^2 =) 1.5^2 \div \frac{1000}{40} (= 0.09)$		3	M1
	eg $(C =) \sqrt{\frac{"90"}{1000}}$ oe **or** $(C =) \sqrt{1.5^2 \times "0.04"}$ **or** $(C =) \sqrt{1.5^2 \div "25"}$ **or** $(C =) \sqrt{"0.09"}$			M1
		0.3		A1 oe, allow ±0.3 oe or −0.3 oe
				Total 3 marks

16	eg $\frac{55}{360} \times \pi \times d = 5$ **or** $\frac{55}{360} \times \pi \times 2 \times r = 5$ oe **OR** $\frac{360}{55} \times 5 (= 32.7...)$ oe		4	M1 for a correct equation for the diameter **or** radius **OR** for a method to find the circumference of the circle
	eg $d = \frac{5 \times 360}{55\pi} (= 10.4...)$ **or** $r = \frac{5 \times 360}{55 \times 2 \times \pi} (= 5.2...)$ **OR** $d = \frac{"32.7..."}{\pi} (= 10.4...)$ **or** $r = \frac{"32.7..."}{2 \times \pi} (= 5.2...)$			M1 for a method to work out the diameter **or** radius
	(area =) eg $\pi \times \left(\frac{"10.4..."}{2}\right)^2$ **or** $\pi \times$ "5.2..."^{2}			M1
		85.2		A1 allow 84.9 – 85.4
				Total 4 marks