

Question	Answer	Mark	Mark scheme	Additional guidance
7	81.1	P1	for process to use $\pi d$ or $2\pi r$ , eg $\pi \times 16 (= 16\pi = 50.2(6\dots))$ oe or $\frac{1}{2} \times \pi \times 16 (= 8\pi = 25.1(3\dots))$ oe or $\frac{1}{4} \times \pi \times 16 (= 4\pi = 12.5(6\dots))$ oe	Must use correct value for radius / diameter Do not award this mark if candidate has used area formula
		P1	for a complete process, eg “ $8\pi$ ” + 20 + 20 + 8 + 8 oe	Condone addition of the lengths of the dashed lines “ $8\pi$ ” + 72 oe
		A1	for answer in the range 81 to 81.2	If correct answer is seen and then incorrectly rounded award full marks