18	30 : 12 (= 5 : 2) **or** 30 ÷ 12 (= 2.5 oe) **or** 12 : 30 (= 2 : 5) **or** 12 ÷ 30 (= 0.4 oe)		4	M1	for a method to find ratio for the lengths **or** linear scale factor
	eg $5^2x - 2^2x = 178.5$ **or** $"2.5"^2y - y = 178.5$ **or** k – "0.4"^2k = 178.5 oe			M1	for setting up an equation using the surface areas
	$\frac{178.5}{5^2 - 2^2} \times 5^2$ (= 8.5 × 25) oe **or** $\frac{178.5}{"2.5"^2 - 1} \times "2.5"^2$ (= 34 × 6.25) oe **or** $\frac{178.5}{1 - "0.4"^2}\left(= 178.5 \div \frac{21}{25}\right)$ oe			M1	for a complete method
	Correct answer scores full marks (unless from obvious incorrect working)	212.5		A1	oe
					Total 4 marks