

Surface Area L2 Mark Scheme		
1	Surface area $6 \times (8 \times 8)$	[1]
	$= 384 \text{ mm}^2$	[1]
2	Front: $9 \times 5 = 45 \text{ cm}^2$ Back: 45 cm^2 Left: $5 \times 4 = 20 \text{ cm}^2$ Right: 20 cm^2 Top: $9 \times 4 = 36 \text{ cm}^2$ Bottom: 36 cm^2	[1]
	Surface area $= 45 + 45 + 20 + 20 + 36 + 36$	[1]
	$= 202 \text{ cm}^2$	[1]
3	Front: $\frac{1}{2} \times 6 \times 4 = 12 \text{ m}^2$ Back: 12 m^2	[1]
	Left: $5 \times 15 = 75 \text{ m}^2$ Right: 75 m^2 Base: $6 \times 15 = 90 \text{ m}^2$	[1]
	Surface area $= 12 + 12 + 75 + 75 + 90$	[1]
	$= 264 \text{ m}^2$	[1]
4	Triangle face: $\frac{1}{2} \times 4 \times 9 = 18 \text{ mm}^2$	[1]
	Square face: $4 \times 4 = 16 \text{ mm}^2$	[1]
	Surface area $= 18 + 18 + 18 + 18 + 16$	[1]
	$= 88 \text{ mm}^2$	[1]
5	Circumference $= 2\pi r = 2 \times 3.14 \times 3 = 18.84 \text{ cm}$ Rectangle face: $18.84 \times 6 = 113.04 \text{ cm}^2$	[1]
	Circle face: $\pi r^2 = 3.14 \times 3^2 = 28.26 \text{ cm}^2$	[1]
	Surface area $= 113.04 + 28.26 + 28.26$	[1]
	169.56 cm^2	[1]

6	Front: $11 \times 7 + 5 \times 8 = 117 \text{ cm}^2$ Back: 117 cm^2	[1]
	Left: $11 \times 6 = 66 \text{ cm}^2$ Top left: $7 \times 6 = 42 \text{ cm}^2$ Right: $5 \times 6 = 30 \text{ cm}^2$ Base: $15 \times 6 = 90 \text{ cm}^2$	[1]
	Top right: $8 \times 6 = 48 \text{ cm}^2$ Middle: $6 \times 6 = 36 \text{ cm}^2$	[1]
	Surface area $= 117 + 117 + 66 + 42 + 30 + 90 + 48 + 36$	[1]
	$= 546 \text{ cm}^2$	[1]