	Volume L2 Mark Scheme	
1	$4\text{ cm} = 40\text{ mm}$ $5.2\text{ cm} = 52\text{ mm}$ $8.5\text{ cm} = 85\text{ mm}$	[1]
	$40 \times 52 \times 85$	[1]
	$= 176800\text{ mm}^3$	[1]
2	$250\text{ cm} = 2.5\text{ m}$ $640\text{ cm} = 6.4\text{ m}$ $860\text{ cm} = 8.6\text{ m}$	[1]
	$2.5 \times 6.4 \times 8.6$	[1]
	$= 137.6\text{ m}^3$	[1]
3	$47\text{ mm} = 4.7\text{ cm}$	[1]
	Volume $= 4.7 \times 4.7 \times 4.7$	[1]
	$= 103.823\text{ cm}^3$	[1]
4	Area of triangle $= \frac{1}{2} \times 5.2 \times 6 = 15.6\text{ cm}^2$	[1]
	Volume $= 15.6 \times 10$	[1]
	$= 156\text{ cm}^3$	[1]
5	Area of triangle $= \frac{1}{2} \times 9 \times 14 = 63\text{ mm}^2$	[1]
	Volume $= 63 \times 16$	[1]
	$= 1008\text{ mm}^3$	[1]
6	Area of circle $= \pi r^2 = 3.14 \times 3^2 = 28.26\text{ m}^2$	[1]
	Volume $= 10 \times 28.26$	[1]
	$= 282.6\text{ m}^3$	[1]

7	Base: $51 \times 85 \times 40 \ = 173400 \text{ cm}^2$ Doorway (gap): $17 \times 17 \times 85 \ = 24565 \text{ cm}^2$	[1]
	Roof: $\frac{1}{2} \times 20 \times 54 \times 85 = 45900 \text{ cm}^2$	[1]
	Volume of plastic $= 173400 + 45900 - 24565$	[1]
	$= 194735 \text{ cm}^3$	[1]
8	Volume of block $= 30 \times 30 \times 30 \ = 27000 \text{ cm}^3$	[1]
	Volume of wine holder $= 30 \times 3.14 \times 4^2 \ =$ 1507.2 cm^3 Volume of wine holders $= 6 \times 1507.2 = 9043.2 \text{ cm}^3$	[1]
	Volume of wood $= 27000 - 9043.2$	[1]
	$= 17956.8 \text{ cm}^3$	[1]