

Topic Test 1 Mark Scheme

Volume - Foundation

Q	Answer	Mark	Comments
1	metre	B1	
2	5^3 or 125	M1	
	$6.5 \times 3.5 \times 5.5$ or 125.125	M1	
	125 and 125.125 and correct conclusion	A1	
3	$\pi \times 4^2 \times 6$	M1	
	96π	A1	301.44 or 301.632 is M1AO
4	$\frac{1}{2} \times 5 \times 3$ or 7.5	M1	
	their 7.5×8	M1dep	
	60	A1	
5(a)	4^3	M1	
	64	A1	
5(b)	1.2 and 3.6	B1	
	Only two comparable sides (8 and 2) are needed to get the scale factor	B1	
6	Any side correctly identified, 3, 5 or 7	M1	
	All 3 sides correctly identified	M1dep	
	105	A1	

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7	$r^3 = \frac{3}{4} \times 36$	M1	oe
	$r = 3$	A1	