Topic Test 1 Mark Scheme
2D representation of 3D shapes - Higher

Q	Answer	Mark	Comments
1	17 cm^3	B1	
2(a)	Plan	B1	
	Front (or side)	B1	Front and side elevations may be interchanged.
	Side (or front)	B1	
2(b)	30 cm^2	B1	
3	B and E	B2	B1 for B and E and 1 other B1 for only B or E circled
4(a)	125	B1	
4(b)	150	B1	
4(c)	8	B1	
4(d)	9 or 6×9	M1	
	54		
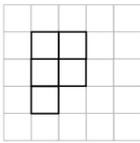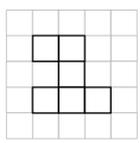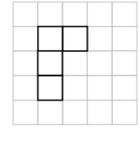
Q	Answer	Mark	Comments
5	4 cm by 3 cm rectangle and 4 cm by 2 cm rectangle	B1	
	Two 3cm by 2 cm triangles	B1	
	4 cm $\times$ (length of hypotenuse of 2 $\times$ 3 triangle $\pm$ 1mm) and net that will construct a prism.	B1	

Q	Answer	Mark	Comments
6(a)	Any reference to multiples of the sides of the cuboid being bigger or smaller than the sides of the cuboid or 9 ÷ 2.5 not an integer	B1	
6(b)	63	B2	B1 for [54, 62]

Q	Answer	Mark	Comments
7	$6x^2 = x^3$	M1	
	6	A1	

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