		2D Shapes Mark	Scheme	
1	Shape Name			
	Shape 1 Shape 2	Triangle Parallelogram		
				Shape 3PentagonShape 4Rhombus
	Shape 5	Hexagon		
	Shape 6	Trapezium		
	2(a)	6 sides hexagon		[1]
	2(b)	7 sides heptagon		[1]
2(c)	9 sides nonagon		[1]	
3	$5 \times 3 = 15 \text{ m}^2 \text{ or } 8 \times 3 = 24 \text{ m}^2$		[1] student must choose all of the first equations or all of the second equations	
	$5 \times 3 = 15 \text{ m}^2 \text{ or } 2 \times 3 = 6 \text{ m}^2$		[1] student must choose all of the first equations or all of the second equations	
	$15 \text{ m}^2 + 15 \text{ m}^2 = 30 \text{ m}^2 \text{ or } 24 \text{ m}^2 + 6 \text{ m}^2 = 30 \text{ m}^2$		[1] student must choose all of the first equations or all of the second equations	
4	Identify that the area of a parallelogram is $b \times h$		[1] Correct formula	
	$22 \times 45 = 990 \mathrm{cm}^2$		[1] Working out could be shown here but it is not necessary.	
5(a)	$\frac{1}{2}(a+b)h$		[1] Or identifies a correct equation/method for area of a trapezium	
	$\frac{1}{2}(9+13) \times 3$		[1] Correct calculation	
	33 m ²		[1] Final answer	
5(b)	$33 \text{ m}^2 + 33$	$8 \text{ m}^2 = 66 \text{ m}^2$	[1] Sum of cost per warehouse flor	
	66 × 25	5 = £1650	[1] Total cost	
6(a)	D, this is the only net where a cube with a lid is properly formed		[1] Valid explanation	
6(b)	A & B have too many faces		[1] Valid explanation	
	C Would ha	ve an overlap	[1] Valid explanation	
7(a)	P = 2(l+w)		[1] Finding the perimeter of the field	
	P = 2(40 + 100)		[1] Correct calculation	
	P =	280 m	[1] Total distance of fence required	
7(b)	280 × 5		[1] Distance multiplied by cost	
	£1400		[1] Total cost	

END