23	$(39 \div 3)^2 + 39^2$ **or** $1521 + 169$ (= 1690)		5	M1	for summing the area of the 2 squares – may be seen embedded in a calculation	
	$\sqrt{45^2 + (39 \div 2)^2}$ (= 49.043...) **or** $\sqrt{15^2 + \left(\frac{39 \div 3}{2}\right)^2}$ (= 16.347...) oe			M1	for finding the perpendicular slant height of either pyramid	M2 for eg $\sqrt{\left(\frac{39-13}{2}\right)^2 + (45-15)^2}$ $(= \sqrt{1069} = 32.695...)$
	$\frac{2}{3} \times$"49.043..." **or** $2 \times$"16.347..." (= 32.695...) oe **OR** $\frac{1}{2} \times 13 \times$"16.347..."$(= 106.260...)$ **or** $4 \times \frac{1}{2} \times 13 \times$"16.347..."$(= 425.042...)$ **or** $\frac{1}{2} \times 39 \times$"49.043..."$(= 956.345...)$ **or** $4 \times \frac{1}{2} \times 39 \times$"49.043..."$(= 3825.381...)$			M1	for finding the perpendicular slant height of the frustum **OR** the area of 1 or 4 triangular faces for either pyramid	
	$(39 \div 3)^2 + 39^2 + 4 \times \frac{(39 \div 3) + 39}{2} \times$ "32.695..." **OR** $(39 \div 3)^2 + 39^2$ + "3825.381..." – "425.042..."			M1	correct calculation for total surface area	
	Correct answer scores full marks (unless from obvious incorrect working)	5090		A1	accept 5090 – 5091	
						Total 5 marks

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