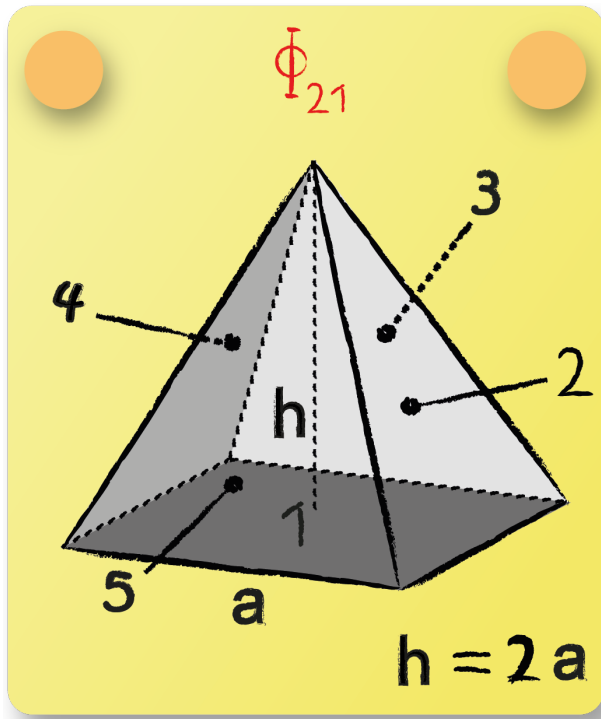# View Factor: Task 48

The image shows a pyramid with side length a and height $h = 2a$.

1

$\phi_{21} = \frac{1}{3}$

2

For symmetry considerations it is $\Phi_{12} = \Phi_{13} = \Phi_{14} = \Phi_{15}$. Applying the sum rule for Φ_{1j} with Φ_{11} beeing zero, Φ_{12} is obtained. Taken into account the reciprocity with $A_1 = a^2$ and $A_2 = \frac{3}{4}a^2$ leads to Φ_{21}.