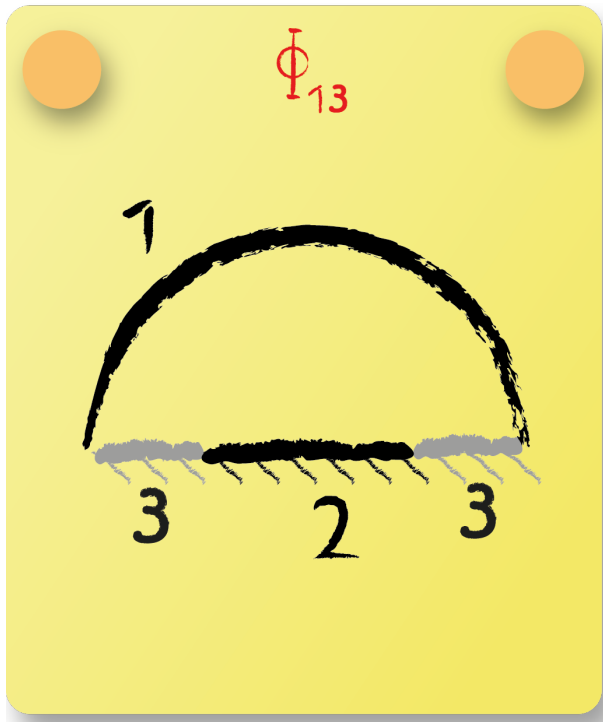# View Factor: Task 35

The image shows a semicircular body with radius r. The length of body 2 is equal to r, length of body 3's patches is $\frac{1}{2}r$.

1

$\phi_{13} = 1/\pi$

2

Due to the reciprocity rule, $\phi_{1,3} = (A_3/A_1) \cdot (\phi_{3,1})$ is applied because $\phi_{3,1}$ is known as 1 or we can say that $\phi_{1,2} = \phi_{1,3} = 1/\pi$ from symmetry.