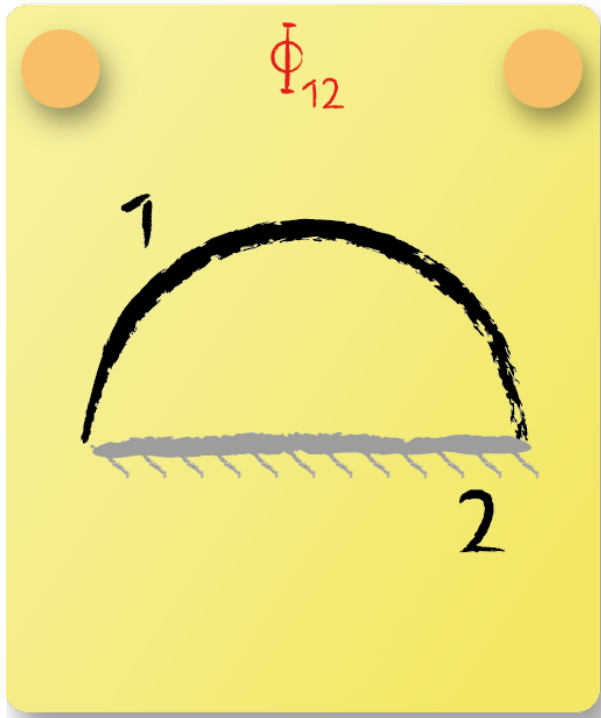# View Factor: Task 6

The image shows hemisphere. What is ϕ_{12}?

1

$\phi_{12} = 2/\pi$

2

From the reciprocity rule, the equation is $\phi_{1,2} = (A_2/A_1) \cdot (\phi_{2,1})$ and if the hemisphere is considered, the equation becomes $\phi_{1,2} = (D)/((\Pi \cdot (D^2)/2)$. Also, $\phi_{2,1}$ is known as 1 and diameter is 1m.