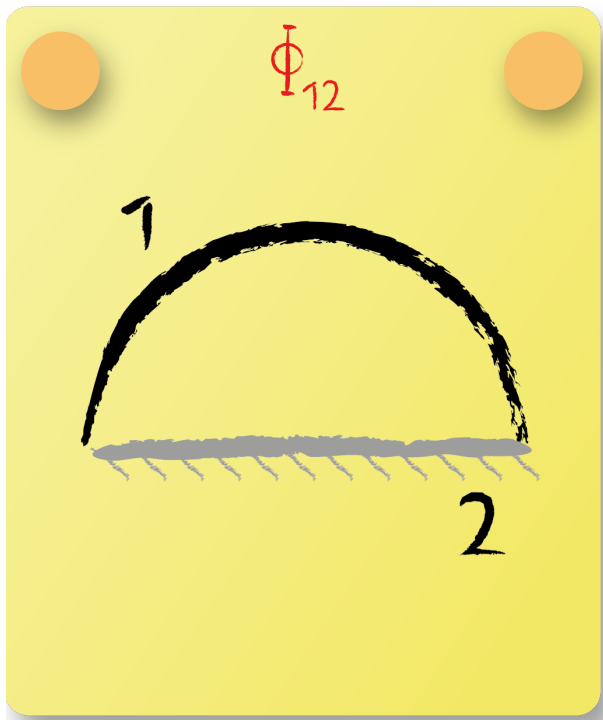




View Factor: Task 6



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.