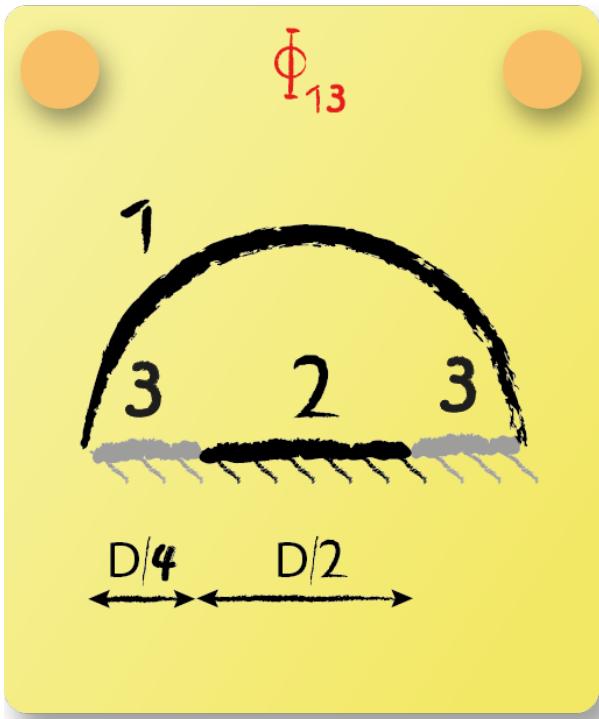


## View Factor: Task 33



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.