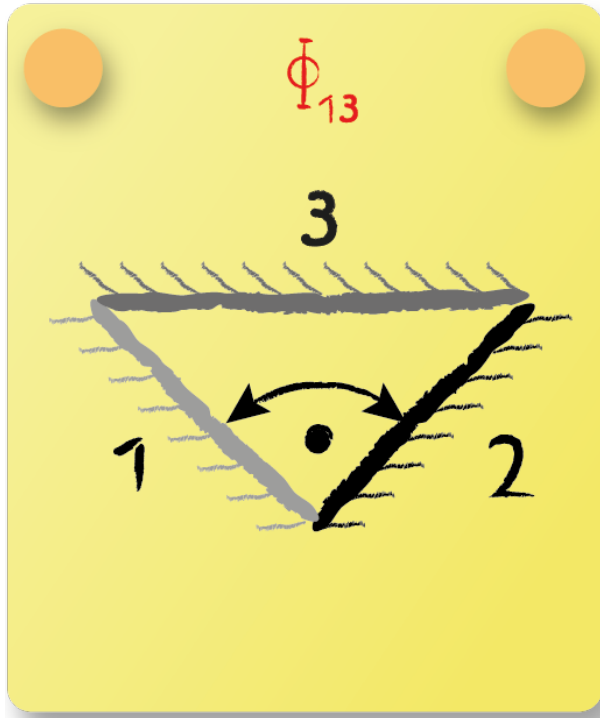


## View Factor: Task 13



The image shows a right triangle body. What is  $\phi_{13}$ ?

1



$$\phi_{13} = 1/\sqrt{2}$$

2



To find  $\phi_{1,3}$ , first of all  $\phi_{3,1}$  can be found. Due to surface 1 and 2 are the same side length, radiation leaving surface 3 hits them equally from symmetry. So,  $\phi_{3,1} = 1/2$ . According to reciprocity rule  $\phi_{1,3} = (A_3/A_1) \cdot (\phi_{3,1})$  equation is applied.