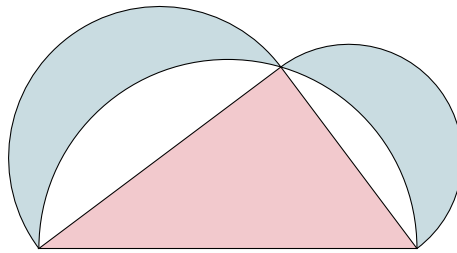


The Lunes of Alhazen

Euro 1^{re}

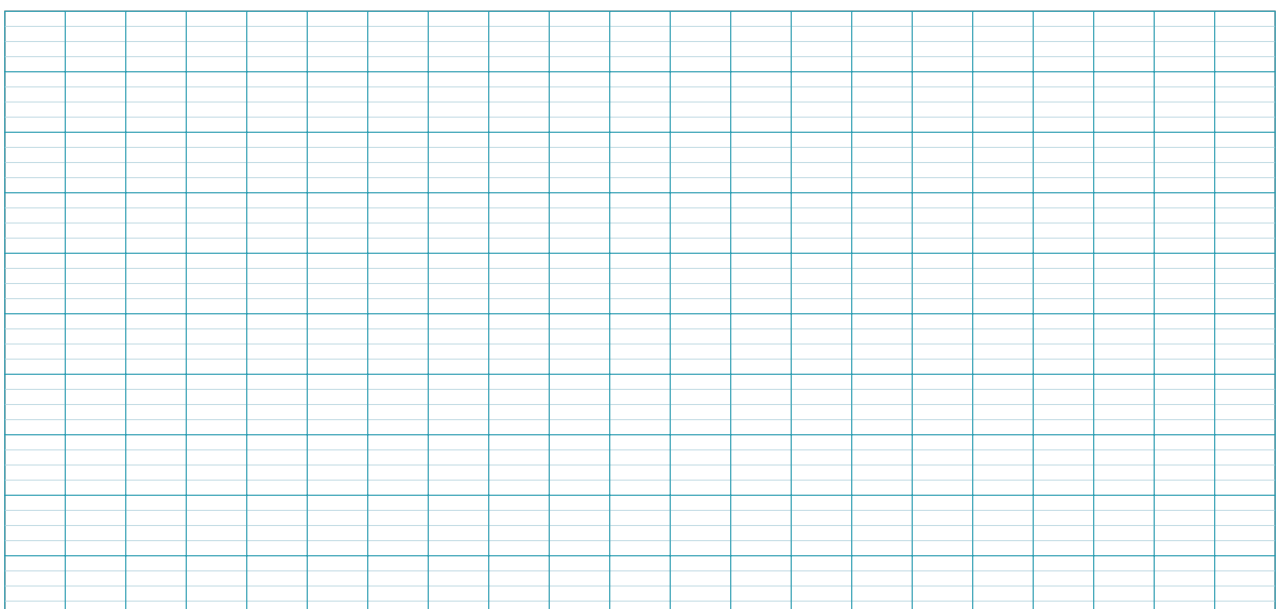
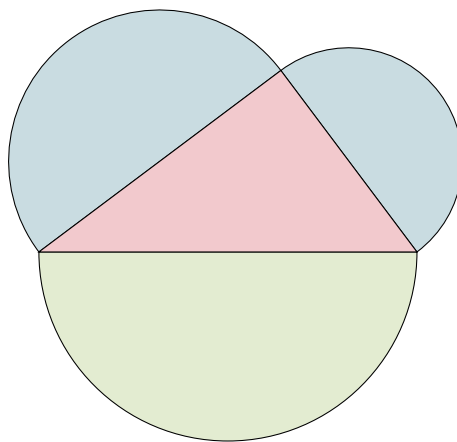


The red triangle is rectangle.

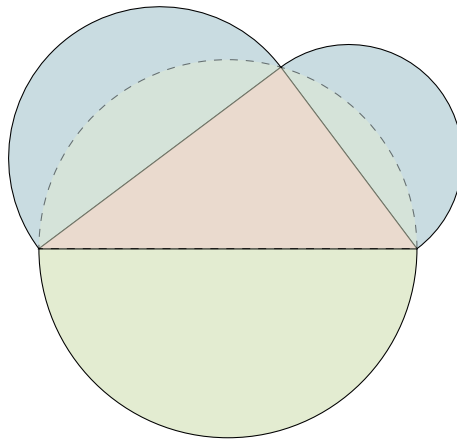
Can you show its area is the same as the sum of the areas of the two blue lunes ?

To help you, here are the figures corresponding to the main steps of the demonstration. Can you complete it ?

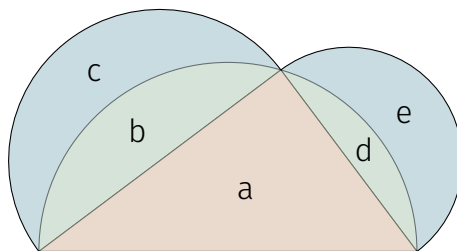
Step 1



Step 2

[illegible]

Step 3

[illegible]