

## WORKSHOP on **OPTICAL ILLUSIONS**

### Project: Build a **LENS CAMERA**

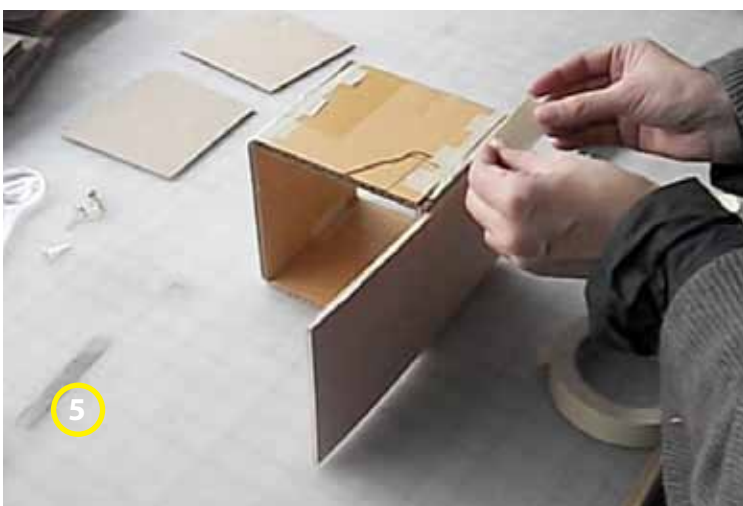


### Parts (Materials and Tools):

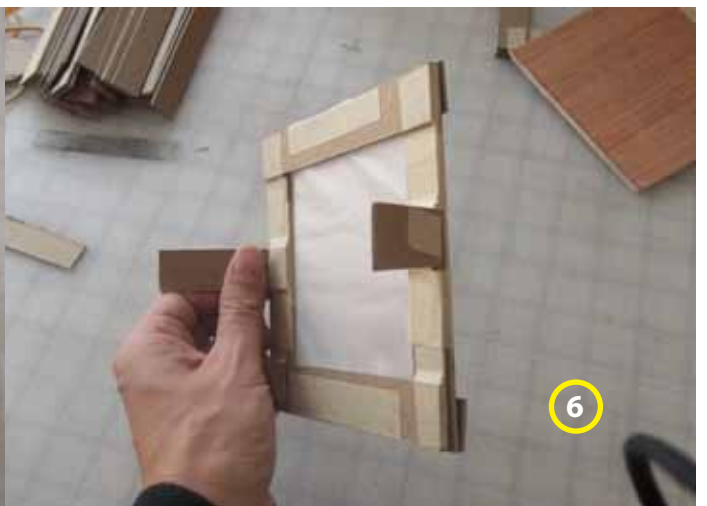
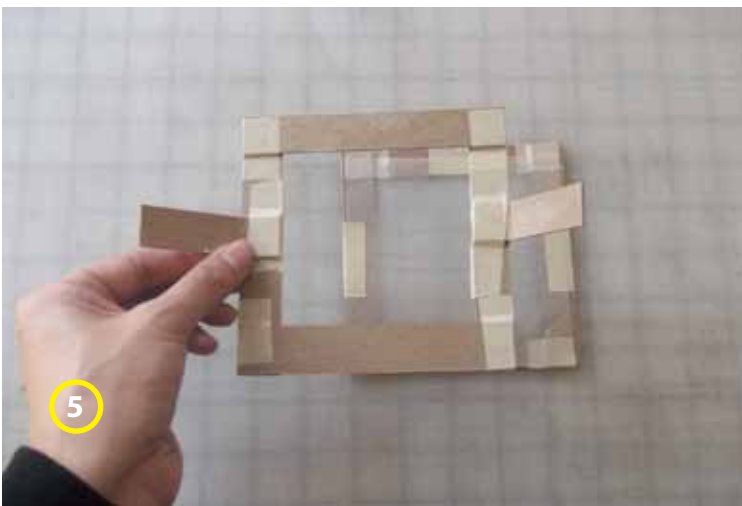
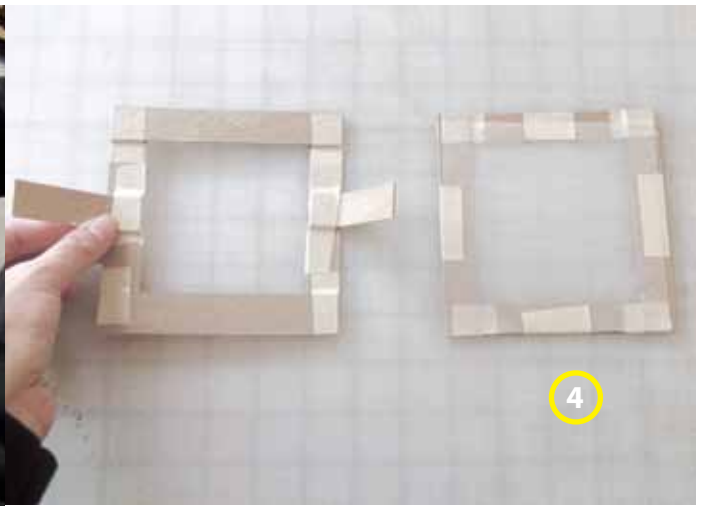
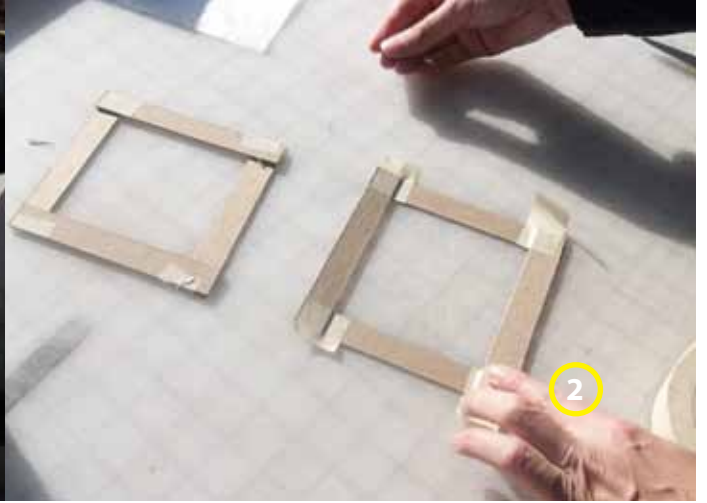
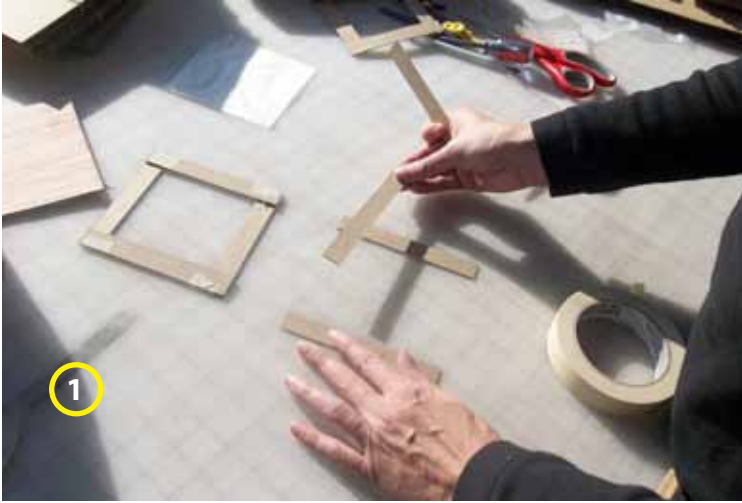


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## How to make the box and to attach it to the wooden platform...



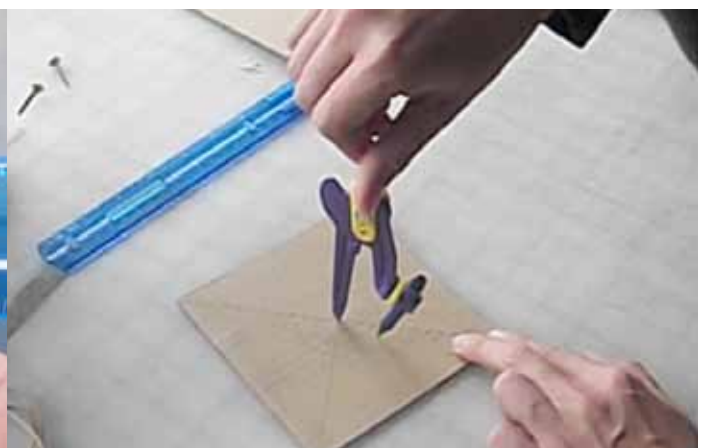
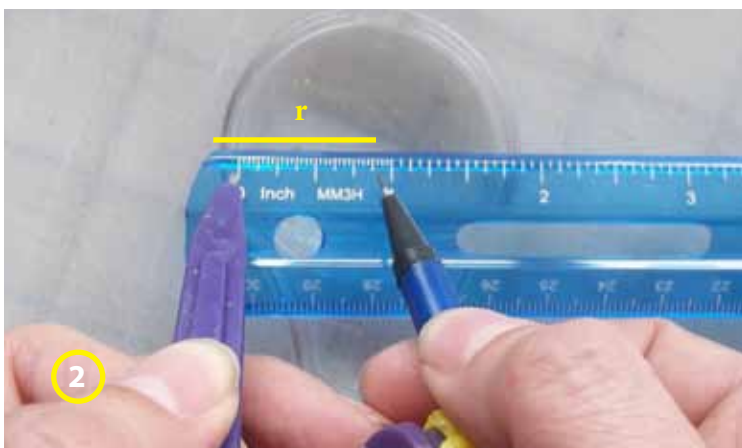
## How to make the screen..



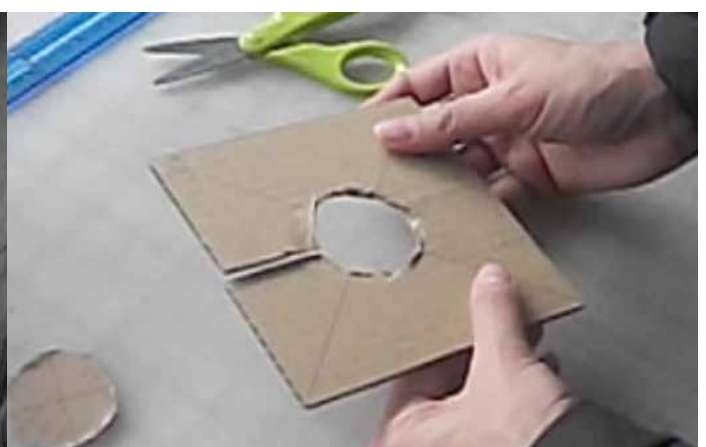
## How to make a hole on the front side of the box to attach the lens...



Find the middle point in your square by drawing a line from each corner

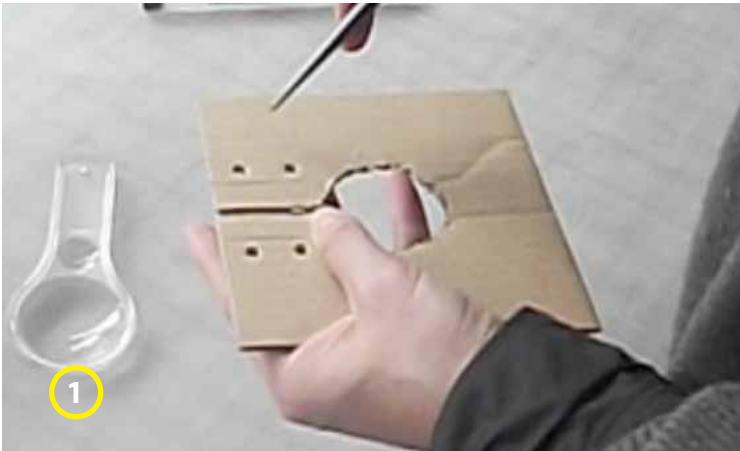


Find the ratio of your lens using a ruler and compass ... & draw a circle at the center of your cardboard

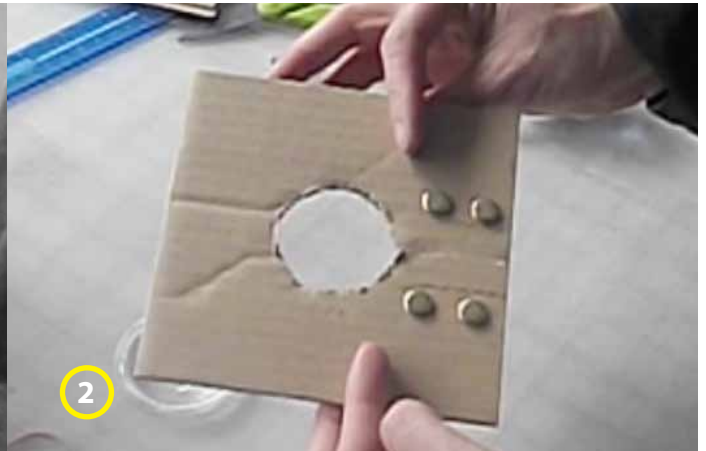


Cut the circle

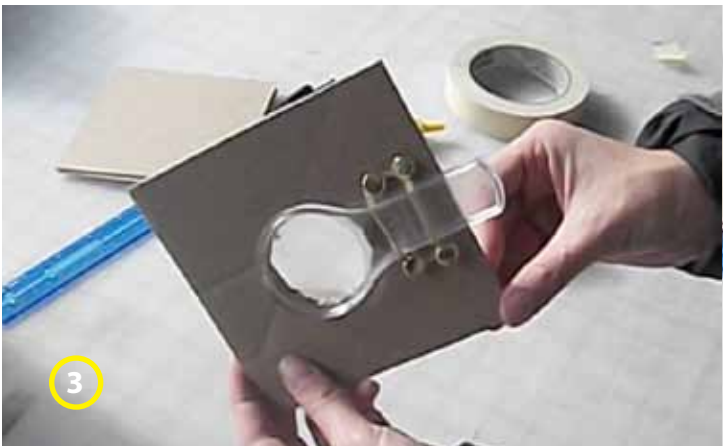
**How to make a hole on the front side of the box to attach the lens...**



**Add four holes.**



**Attach four fasteners**



**Attach the lens using a rubber band**



**Tape this side to the front of the box**



**NOW ADD THE SCREEN TO THE BACK AND TRY TO FOCUS ON SOMETHING... YOU MAY NEED TO MOVE THE SCREEN IN AND OUT TO SEE A SHARP IMAGE!**



**What did you learn from doing this project?**