### Pinhole camera and lens camera Mishelle Dueñas

# Pinhole camera







# 1. Light travels in straight lines

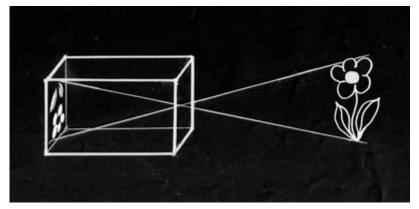


Fig.1 Rectilinear theory



"If the dimensions of your camera and the size of your pinhole are correct you can take a photograph that will compete on a technical level"

# 2. Dimensions

- Small = sharper images = increase exposure time .
- × Be carefull, too small produces distortion or loss of focus .

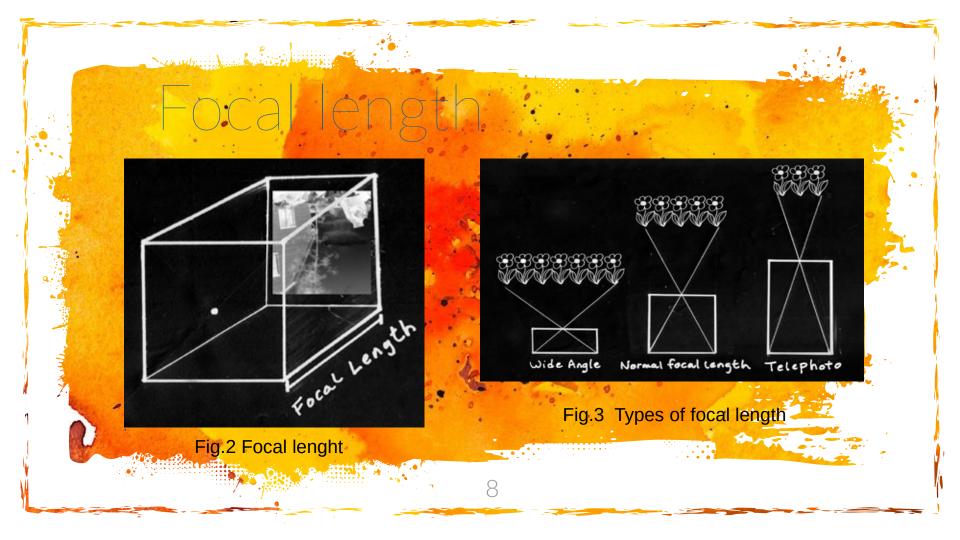


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X

produces sharper images



### Practice



#### Fig.4 Different effects about focal length





# Vignettes



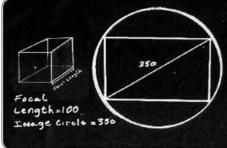
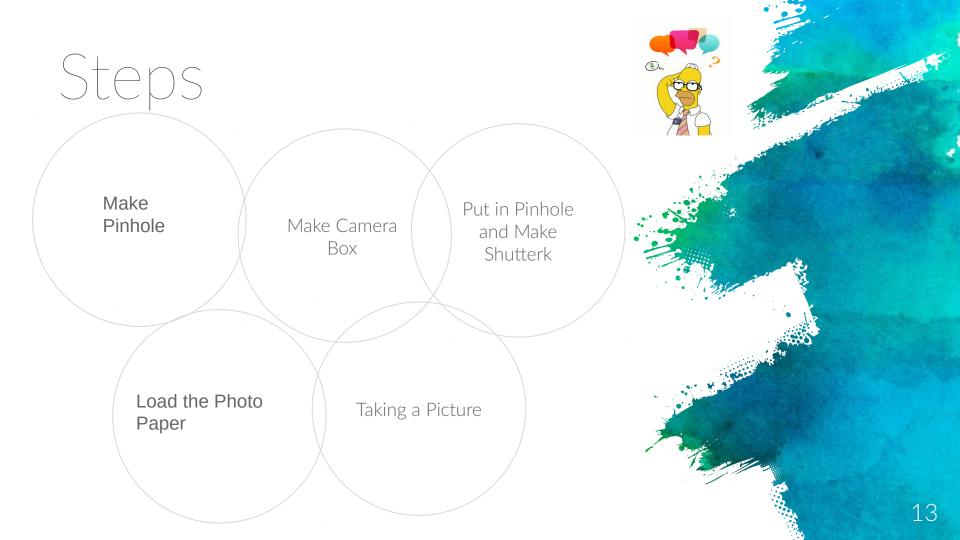


Fig.5 Vignettes



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https://www.youtube.com/watch?v=O4bf2IO3-Wg0

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#### Thank You !

# 2 COCC COCC And many more...