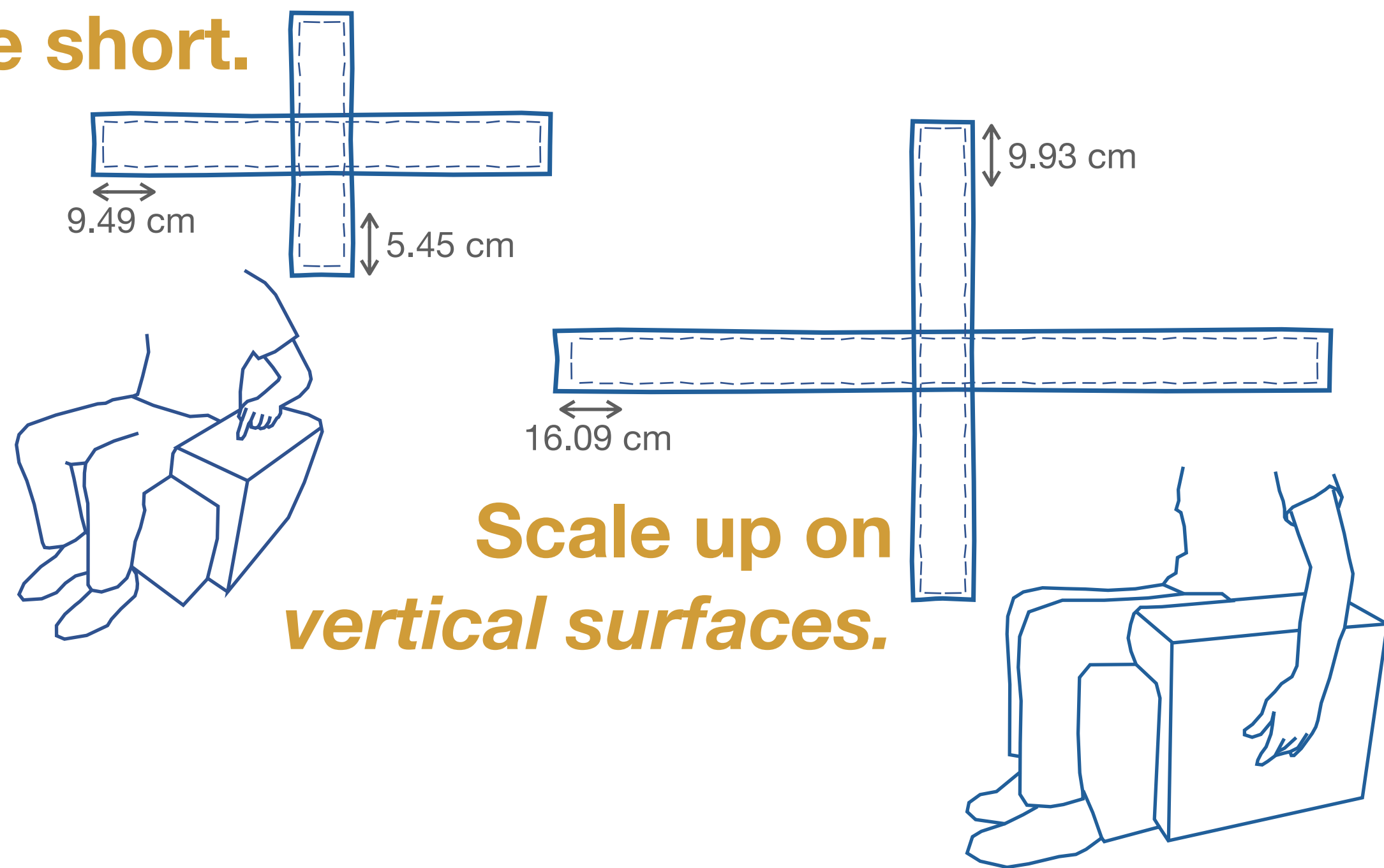
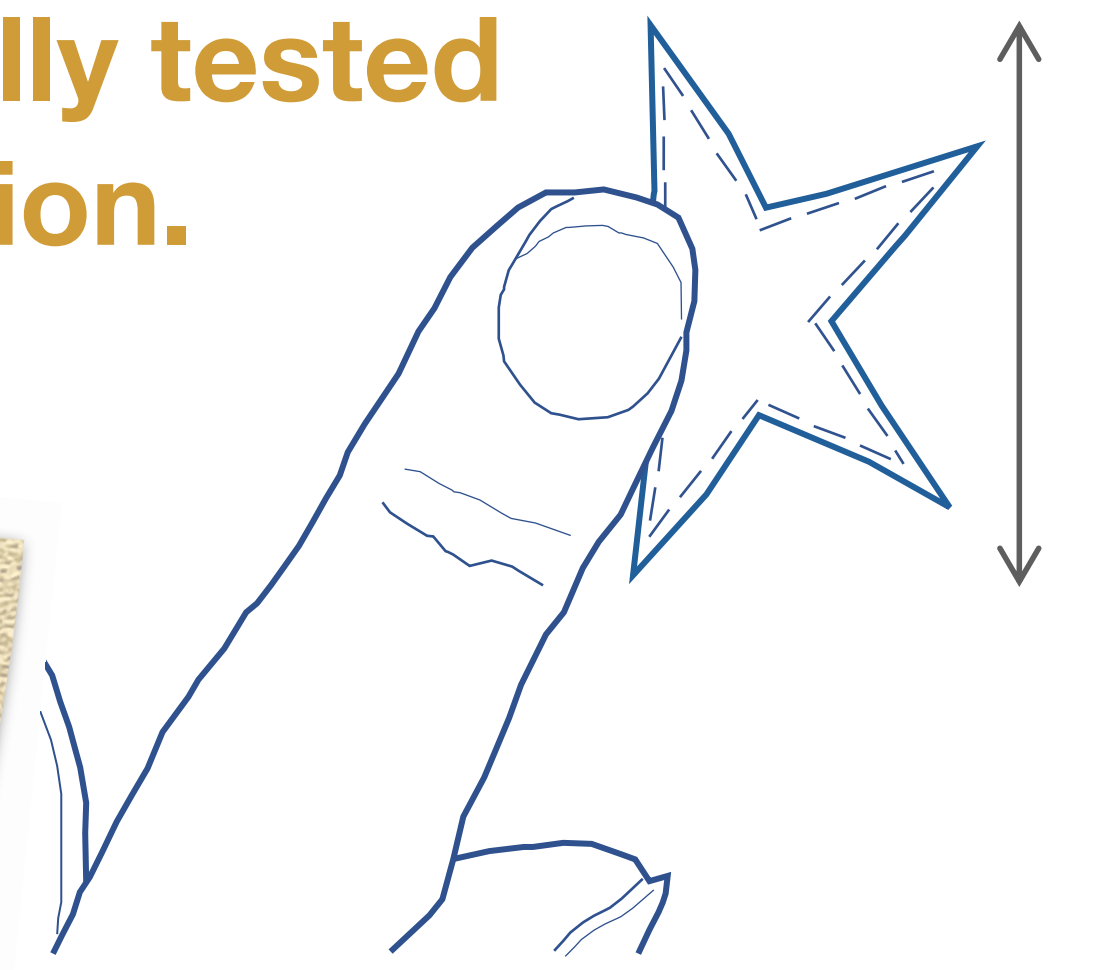
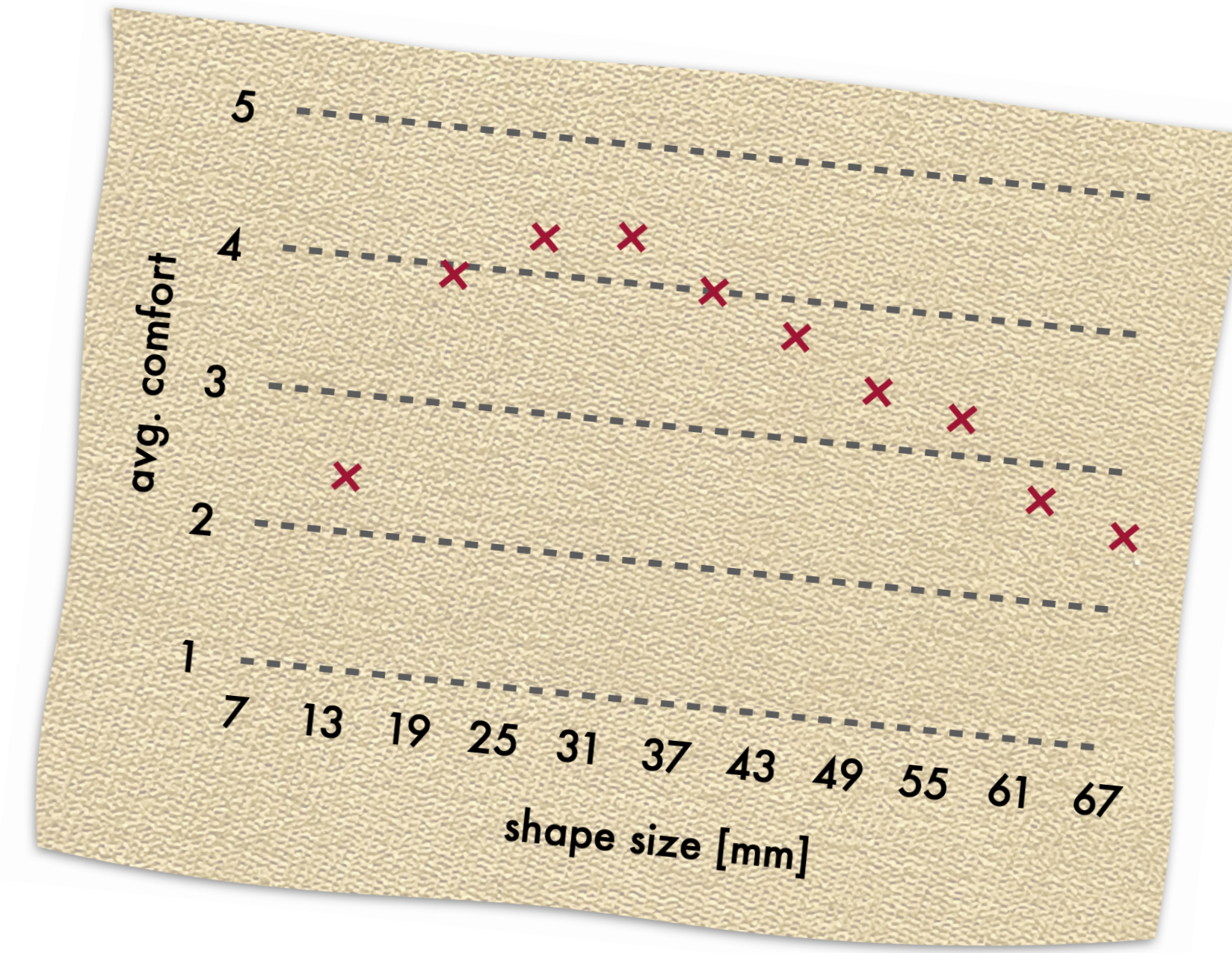


# SIZE

Vertical sliders should be short.

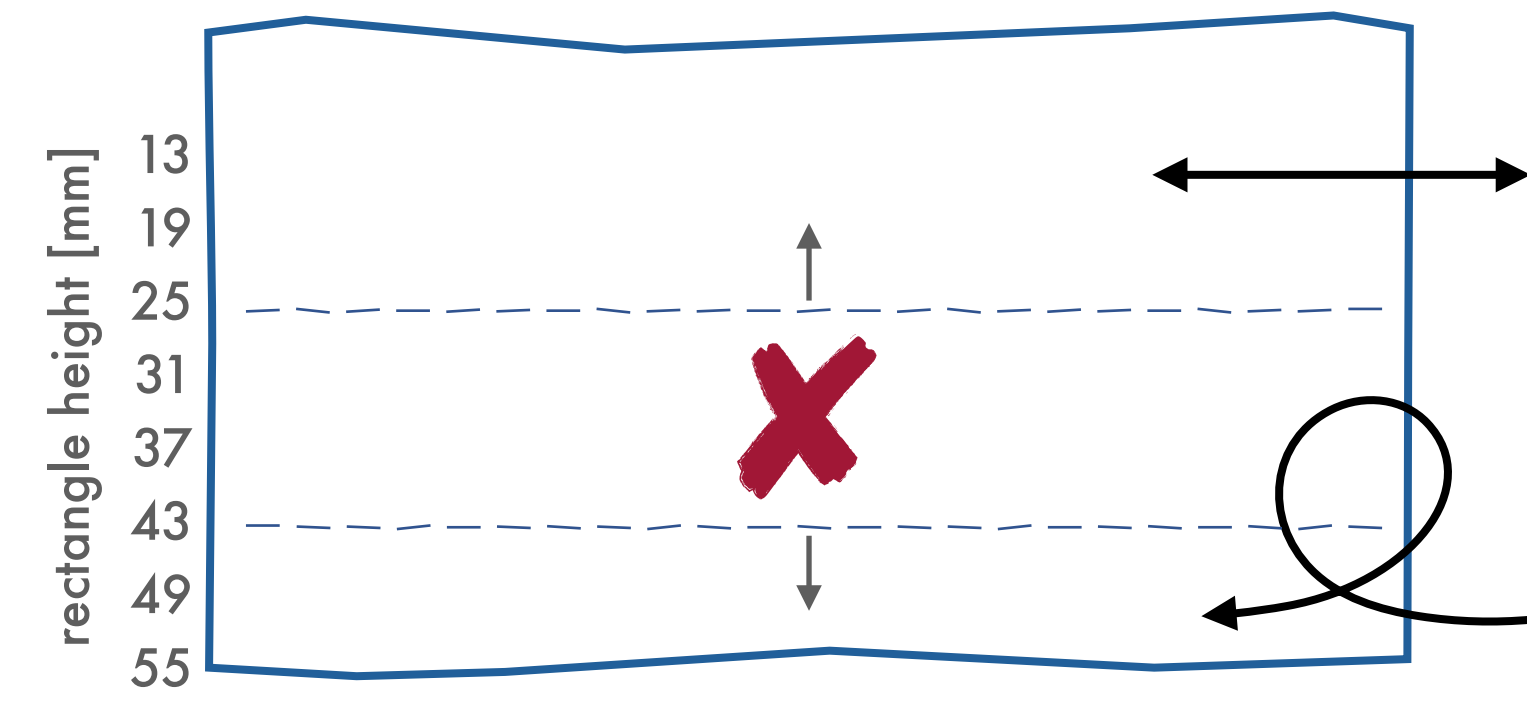


Larger symbols than typically tested were preferred for recognition.



## Abstract:

Due to their haptics, textile interfaces are promising UIs to control devices eyes-free, e.g., in darkness or when controls are placed out of sight, but there are few haptic design guidelines for such interfaces. Therefore, we conducted five experiments investigating the space and size requirements of such textile controls and how users understand the orientation of textile interfaces not placed horizontally in front of them. Using our findings, we identified future directions for follow-up research on design guidelines for textile interfaces.

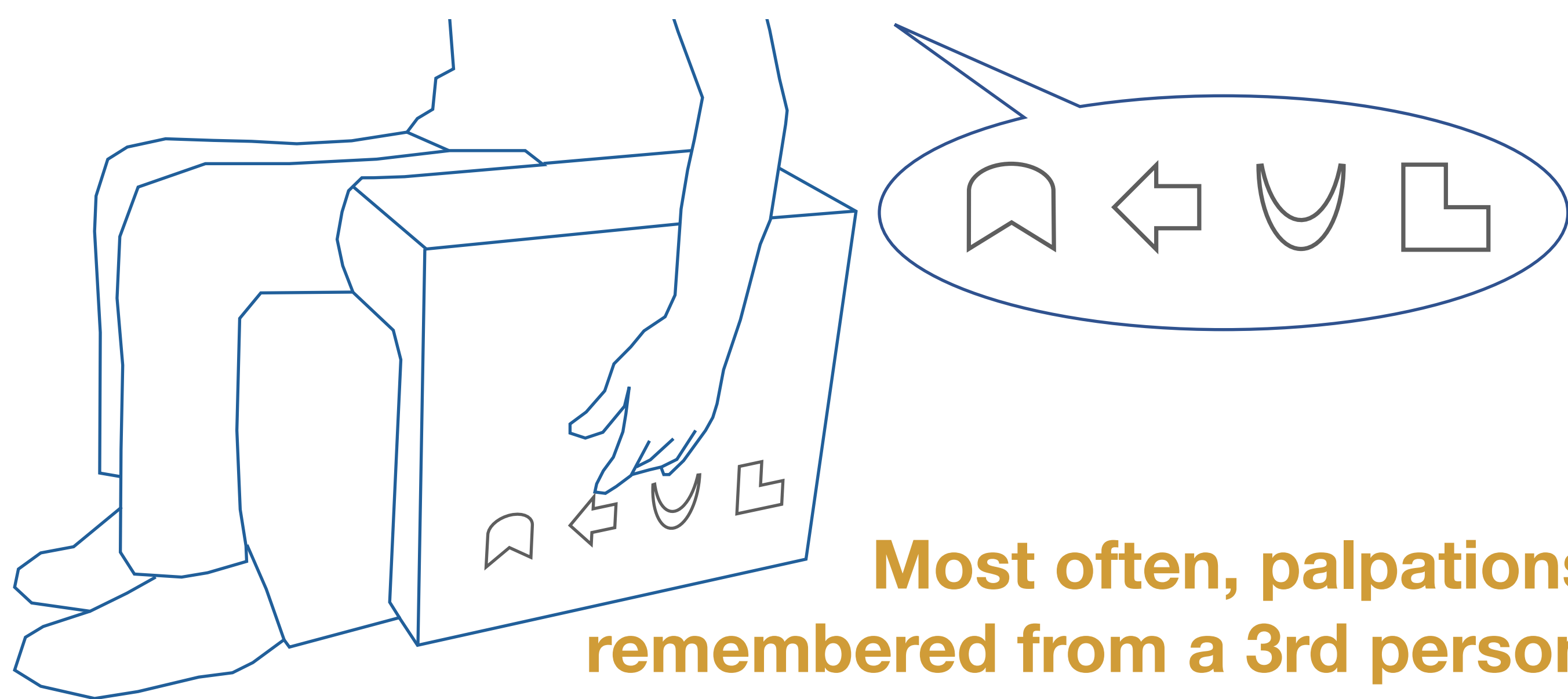


Aspect ratios intuitively inform the usage.



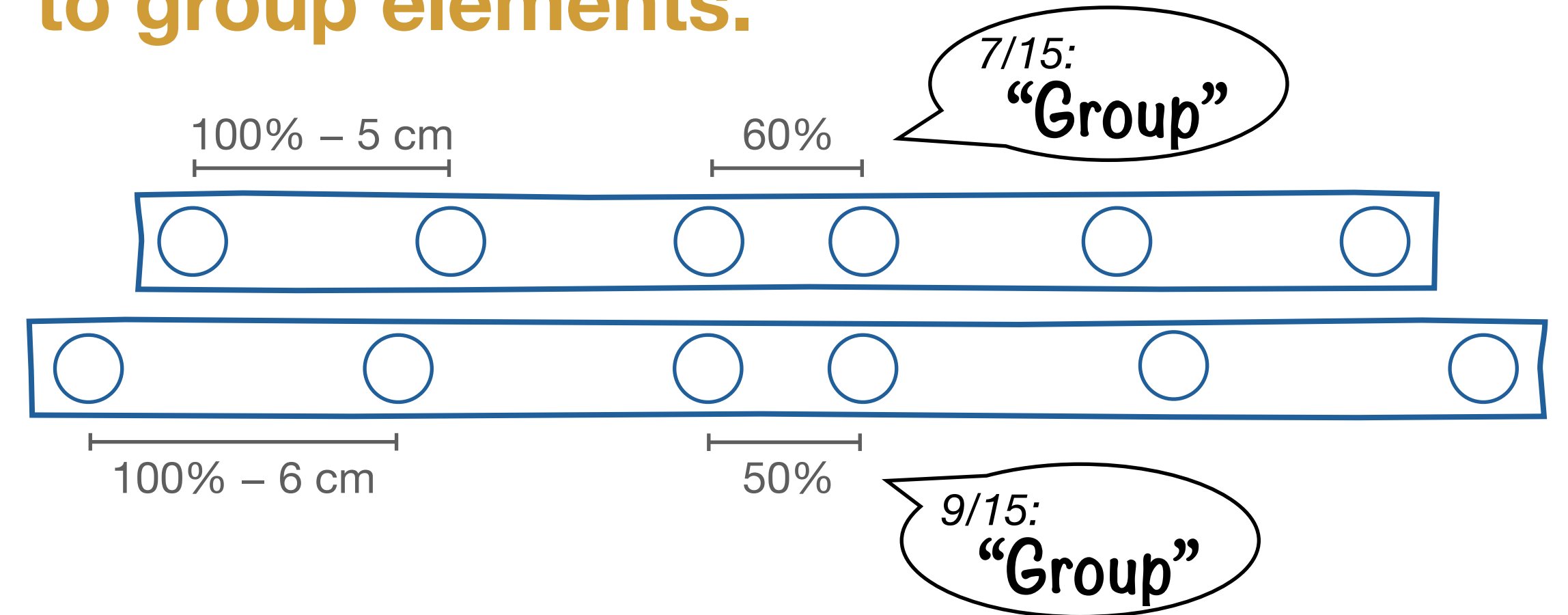
# TOWARDS TEXTILE UI DESIGN GUIDELINES

## ORIENTATION



## SPACE

When palpating, we use absolute distances to group elements.



## Setup:



Towards Textile User Interface Design Guidelines for Eyes-Free Use



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