

# User study: model 1

Allotted time: 10min\*\*

## Task 1:

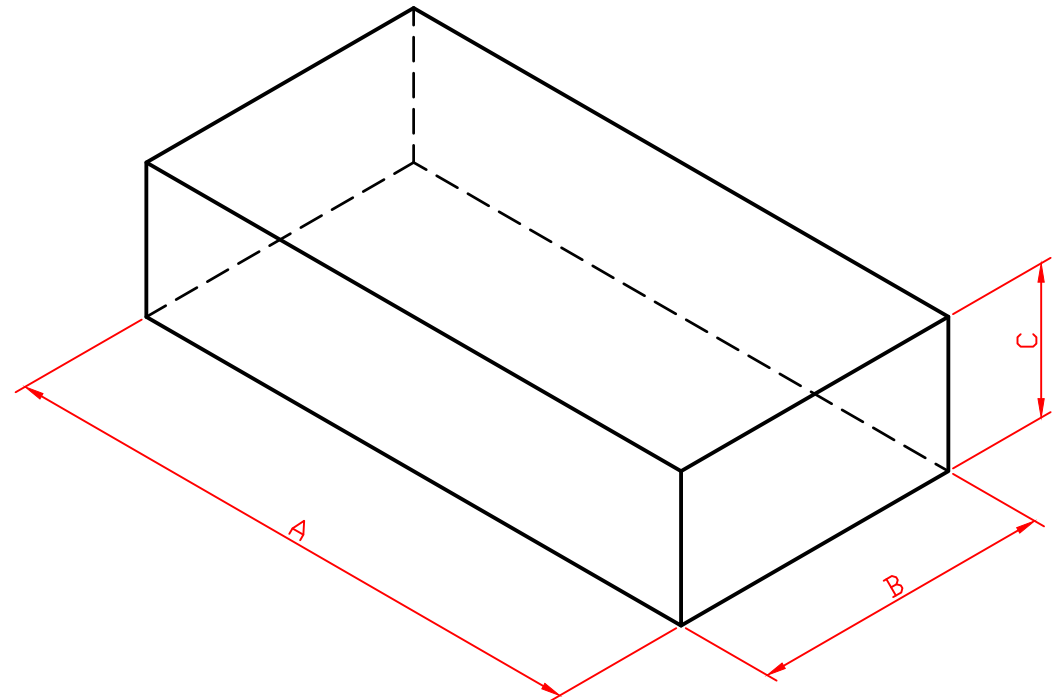
Please add constraints and parametric behavior to the model to ensure the model behaves as specified when the variable dimension(s) take any valid value between the specified bounds

Variable dimension(s):

1. A is a value that can change between 10mm and 100mm\*

Specifications:

1.  $B = \frac{1}{2} A$
2.  $C = \frac{1}{2} B$
3. All edges that are horizontal should remain horizontal at any value of A
4. All edges that are vertical should remain vertical at any valid value of A
5. All angles should remain the same at any value of A



## Task 2:

Please ensure the resulting model (i.e. all the sketches) are fully defined.

Although it is not necessary to delete constraints and/or dimensions that are currently present in the model, you are allowed to do so if desired.

\*You **do not** have to enforce these limits on the design, but you have to ensure the model behaves as specified within these bounds

\*\* You are given 10 minutes to complete this task. If the allotted time elapses before you finished the task, you will be automatically moved to the next task.