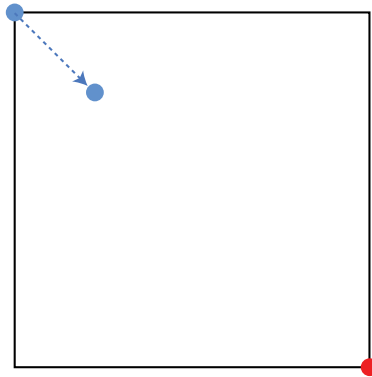


# User Study Summary

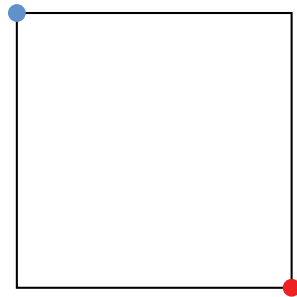
Our result is shown on the right, as image (C).

In the examples below you will be shown a triplet of shapes, one on the top (A) and two (B, C) on the bottom. The image on the top includes a desired resizing/rescaling edit, indicated via point displacements. The **blue** points should be moved as suggested by the arrows, while the **red** points should be held in place. Mentally perform the suggested resizing/rescaling task so as to best preserve the input shape (A).

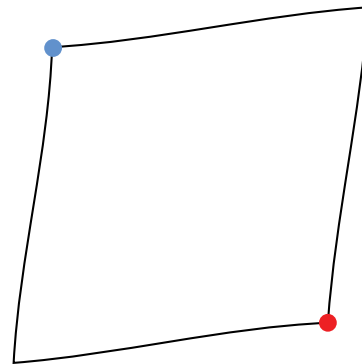
On the bottom you will be shown two images (B) and (C), showing the shape after resizing/rescaling with all points placed at their desired locations. You will then be asked to evaluate which of the shapes on the bottom is closer to the edit you envisioned. Please zoom in to see the differences.



(A)



(B)

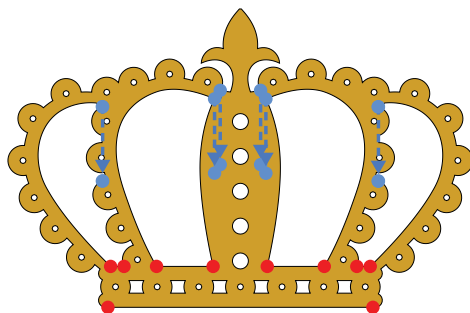


(C)

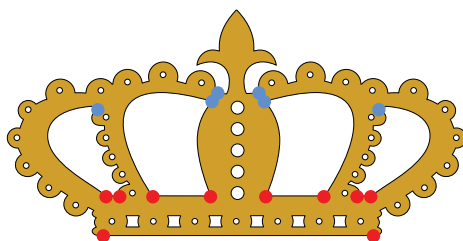
In this case the answer is B (The output in (C) does not preserve shape well).

**Question 1: Ours: 5, Artist: 0, Both: 4, Neither: 1**

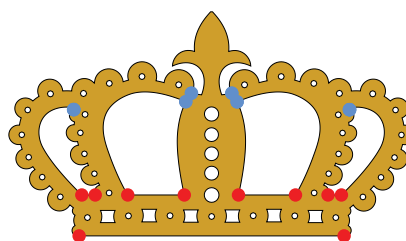
The image on the top (A) includes a suggested resizing/rescaling edit indicated via point displacements. The **blue** points are moved as suggested by the arrows, while the **red** points are held in place. Mentally perform the suggested resizing/rescaling task. Which of the shapes on the bottom (B) or (C) comes closer to the edit you envisioned?



(A)



(B)

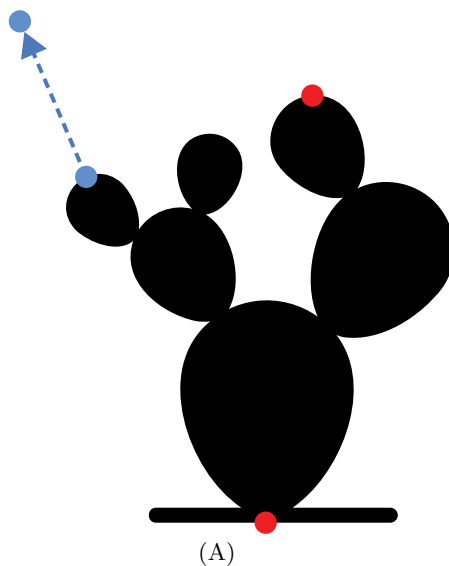


(C)

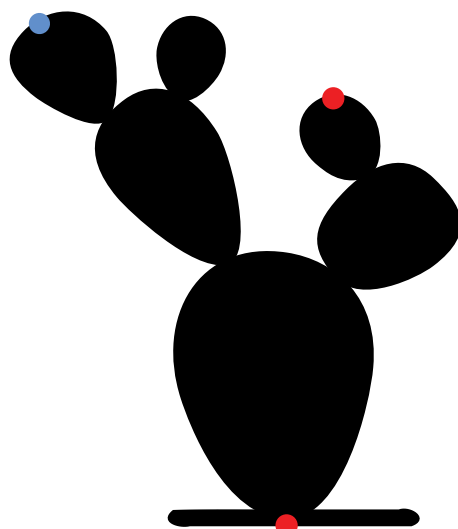
☐ (B)   ☐ (C)   ☐ Both are equally close   ☐ Neither is close

**Question 2: Ours: 6, Artist: 1, Both: 3, Neither: 0**

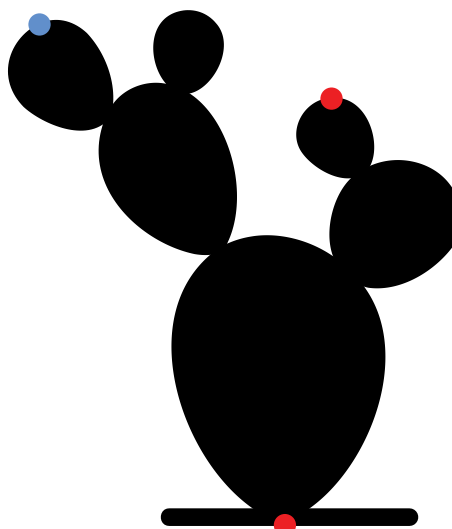
The image on the top (A) includes a suggested resizing/rescaling edit indicated via point displacements. The **blue** points are moved as suggested by the arrows, while the **red** points are held in place. Mentally perform the suggested resizing/rescaling task. Which of the shapes on the bottom (B) or (C) comes closer to the edit you envisioned?



(A)



(B)

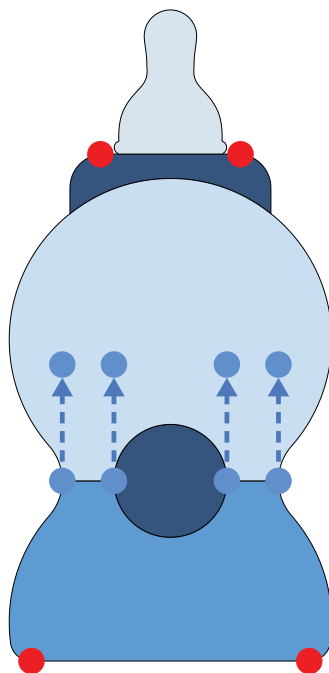


(C)

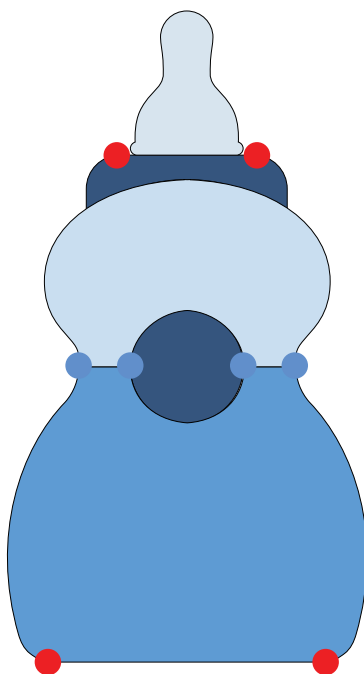
☐ (B)   ☐ (C)   ☐ Both are equally close   ☐ Neither is close

**Question 3: Ours: 7, Artist: 3, Both: 0, Neither: 0**

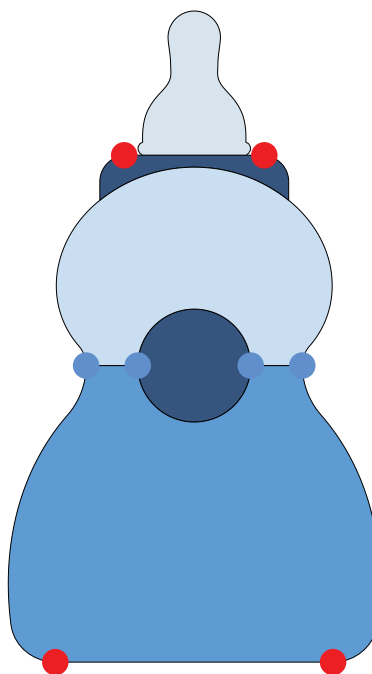
The image on the top (A) includes a suggested resizing/rescaling edit indicated via point displacements. The **blue** points are moved as suggested by the arrows, while the **red** points are held in place. Mentally perform the suggested resizing/rescaling task. Which of the shapes on the bottom (B) or (C) comes closer to the edit you envisioned?



(A)



(B)



(C)

☐ (B)   ☐ (C)   ☐ Both are equally close   ☐ Neither is close