Case I Task:

Visual Question Answering

Q: What is this surf trick called?

A: Riding

Image Captioning

Caption:

Five people walking with a color sky in the background.

Case II Task:

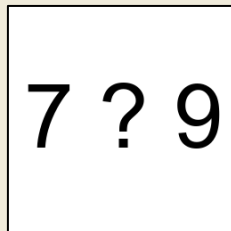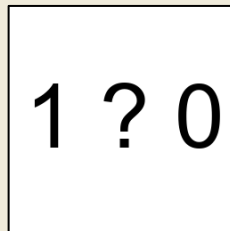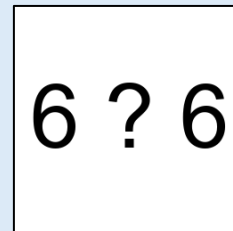## Object Recognition with Synthetic Category

blicket

dax

?? → dax

Operation Induction

7 ? 9   Ans: 16

1 ? 0   Ans: 1

6 ? 6   ?? → 12