Problem 1:

**Lies**

A to D are individuals who either consistently tell lies or tell the truth. Who is lying?

- A. C tells lies.
- B. D tells lies.
- C. D tells the truth.
- D. Either A or C tells lies.

Problem 2:

**My Hat**

Alan, Ben and Cal are seated as shown with their eyes closed. Cal is sitting in the front, behind him, Ben, and behind him Alan. Diane places a hat on each of their heads from a box they know contains 3 red and 2 blue hats. They all open their eyes and look forward.

Alan is sitting behind Ben, who is sitting behind Cal. Alan says; "I cannot deduce what color hat I’m wearing". Hearing that, Ben says, "I cannot deduce what color I’m wearing either." Cal then says, "I know what color I’m wearing!"

How does Cal know the color of his hat? (No tricks, no mirrors, and no other communication; just straight logic.)