

Security Camera

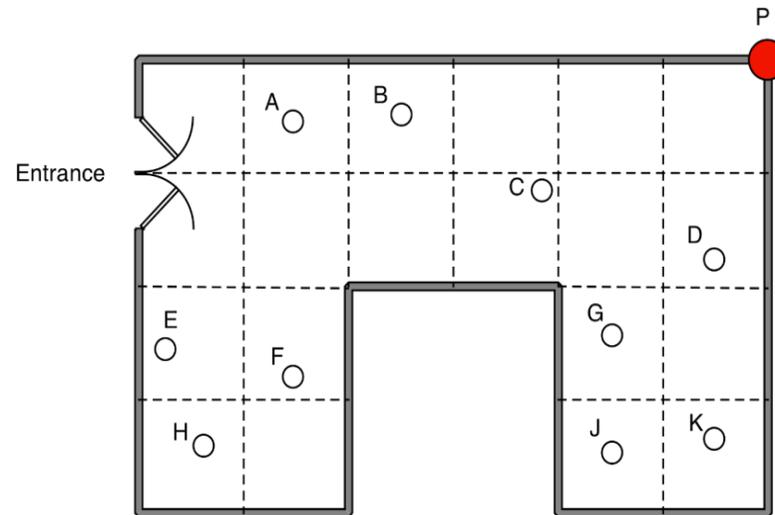
A shop owner wants to prevent shoplifting.

He decides to install a security camera on the ceiling of his shop.

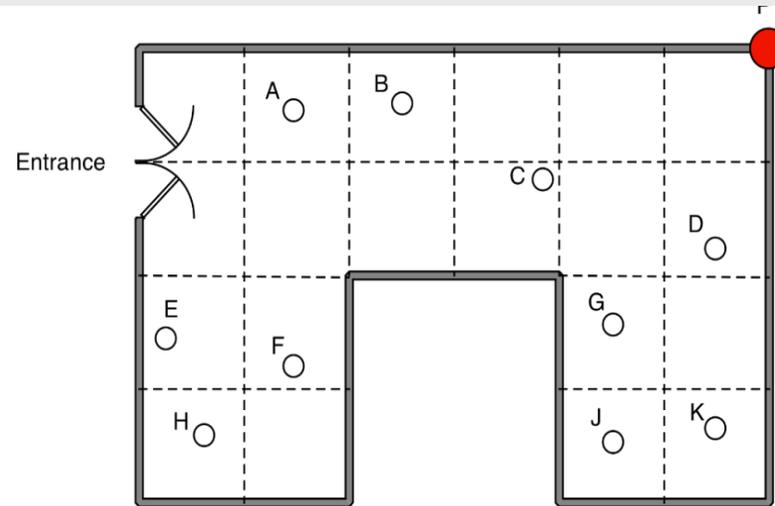
He places the camera in the corner of the shop (at point P)

The camera can turn through 360°

The diagram shows a plan view of the shop with ten people standing in it



Security Camera



1. Which people can the camera NOT see?
3. The shopkeeper thinks that 15% of the shop is hidden from the camera. Is he right or not? Explain.
5. (a) What do you think is the best place for the camera, so that it can see as much of the shop as possible.
(b) How you know that this is the best place for the camera?