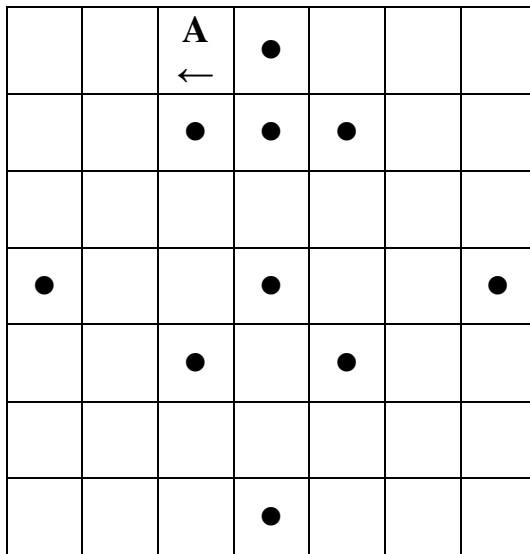# 1. Hungarians in a field (20 marks)

The Hungarian language is spoken by about 14 million people in Central Europe, either in Hungary or in one of the neighbouring coutries.

The picture below represents a field divided into 49 squares (7 x 7), aligned with north at the top and east on the right. In some of the squares there are rocks, indicated by a black circle ●. There are four Hungarians – A, B, C and D – standing in the field, each in a different square not containing a rock, and each facing in one of the four cardinal directions (north, south, east, west). Each person makes some statements describing the positions of the rocks. For instance, A's first statement means "To the east (behind me) there is one stone." References to directions are to be understood as describing a single line in the field: "due east", "directly behind me", and so on. No directions describe a more complex spatial relationship.

		A ←	●			
		●	●	●		
●			●			●
		●		●		
			●			

Note: The Hungarian directions in this problem work much like English directions do, so it is safe to begin by basing your assumptions on what you know about English.

A says: Keletere (mögöttem) egy kő van.
             Délre két kő van.
             Jobbra nincs kő.
B says: Délre (balra) nincs kő.
             Északra egy kő van.
             Mögöttem két kő van.
C says: Északra (előttem) nincs kő.
             Nyugatra egy kő van.
             Jobbra két kő van.
D says: Nyugatra (jobbra) két kő van.
             Északra egy kő van.
             Balra nincs kő.

Q9. Complete the picture by showing which square is occupied by each of B, C and D and draw an arrow (like the one under A) to show the direction they are facing.

Hungarian (20 marks)

		A ←	●			
		●	●	●		
●	**C ↑**		●			●
B ←		●		●		**D ↓**
			●			