

Problem solving

- Well-defined problems: clear starting point and goal
- E.g. *the nine dots*
 - draw nine dots in square: one in middle
 - starting on upper-left dot, connect all dots with 4 straight lines, *without* lifting pencil from paper
- Insight: subjective "Aha!" feeling after being stuck for solution
 - Breaking mental set (functional fixedness)
 - New representation (e.g. from 62 squares to red and black in checkerboard problem)

Cultural differences

- Unschooled, non-Western people: Preference for concrete, functional solutions
 - Reasonableness of problems
 - Focus on functional instead of abstract relationships
 - "saw, log, ax, shovel": tools vs. nontool (schooled Western response), or woodworking vs. not
