‹ mathematics is a tool for mechanising inference; classification is a tool for mechanising arrangement of subjects;

‹ both use numbers as tools;

‹ both generalise their concept of numbers;

‹ both are parsimonious in exercising the freedom to create new numbers;

‹ both mathematics and classification are equivalent to artificial languages using their respective symbolic systems;

‹ both are clear about the limitations on the use of these artificial languages;

‹ both separate work in the idea plane from that in the notational plane; notation can be used as a computational tool before returning the results to the idea plane;

‹ the notational plane can reveal gaps in the coverage of the domain and the potential for their development.