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MONITORING TOOL

Proving Theorems – Intermediate Level

Aim: monitoring students' process of understanding of the concept of proof and proving: understanding the text, identifying hypothesis and thesis, representing hypotheses on the figure and with other representation systems (such as algebraic formulas), recalling already known geometrical facts, organizing proof in form of a deductive chain of arguments.

	Arithmetic	Geometry	Algebra
Memory			
Reasoning		X	
Visuo-spatial			

Consider the following statements.

1. In an isosceles triangle, angles at the base are congruent.
 2. Two opposite angles are congruent.
- A. Highlight in red the hypothesis and in red the thesis.
B. Write the two sentences in the "if... then..." form.
C. Change the hypothesis into thesis and vice-versa: which statement do you get?



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