MONITORING TOOL
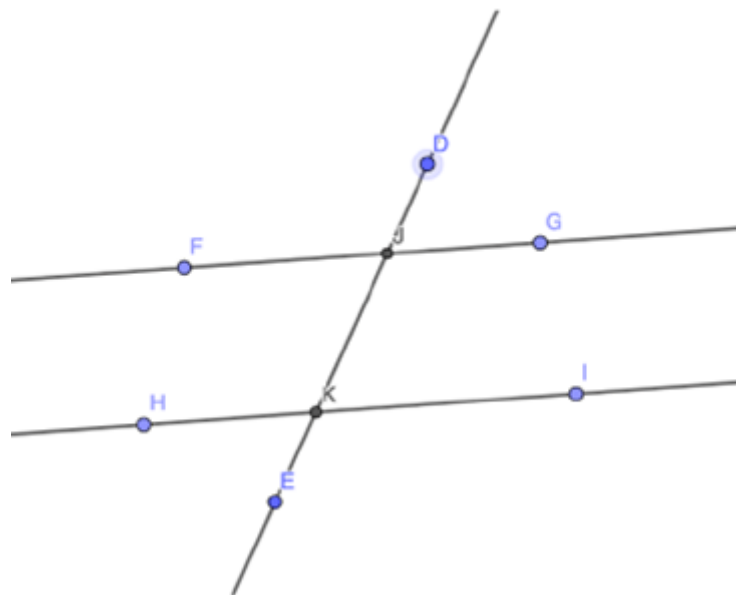
Proving Theorems – advanced level

Aim: supporting the memorization of geometric facts.
The monitoring tool may be proposed in form of google module. In this document the text version.

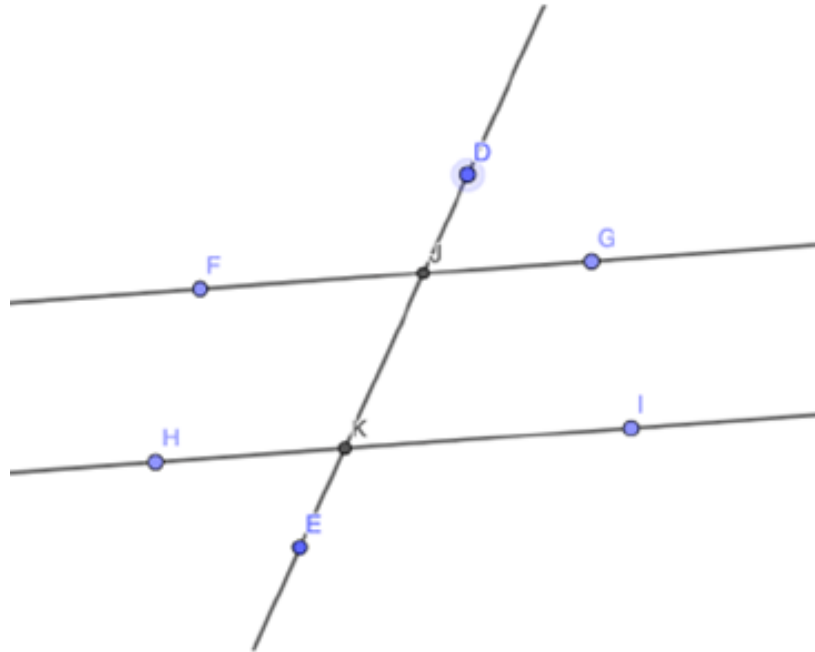|	**Arithmetic**	**Geometry**	**Algebra**
Memory		**X**	
Reasoning			
Visuospatial			

1. In the figure below, two parallel lines cut by a transversal line are given.

Choose the right sentence:

☐   The angles DJG and HKE are alternate interior angles, then they are congruent
☐   The angles DJG and HKE are alternate exterior angles, then they are congruent
☐   The angles DJG and HKE are alternate exterior angles, then they are supplementary

2. In the figure below, two parallel lines cut by a transversal line are given. The angle DJG is 38°. Provide the measure of the angle JKL and justify it.

3. In the figure below, I and m are parallels lines. The angle DAC is 55°. Calculate x + y, showing your reasoning.