



PYTHAGORAS QUEST
Regional Final



Part 3 Max time: 20 min

Decider Question

Allowed tools: paper, pencil and rubbe (no calculator)

If two or more teams have the same points from parts 1 and 2 then this acts as a decider question. First of all you have to get the right answer, then we are looking for those who solved the question in the shortest time.

Areas

A regular hexagon and an equilateral triangle have equal perimeter. What is the ratio of the area of the hexagon to the area of the triangle?