

THIRD DAY

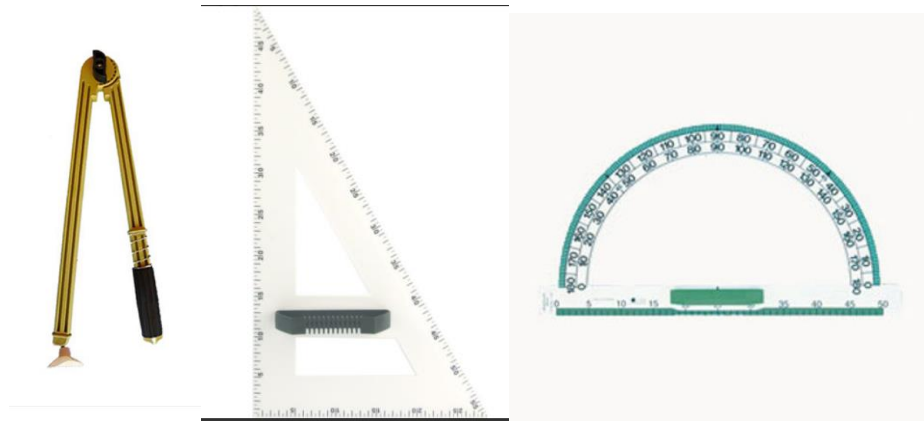
We shall calculate the circumference of the earth.

To do this activity we need (for each team) :

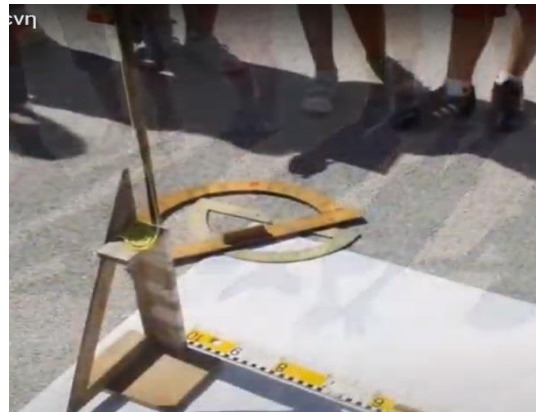
a) Tape measure



b) geometry school instruments such as compasses triangle and protractor



d) A stick vertically placed on the ground.



d) Of course it is necessary to have pens , papers, calculators (maybe the mobile phone is enough) . Just make sure you have the function $\tan^{-1}(x) = \arctan(x)$ in your calculator otherwise you will need trigonometric tables.