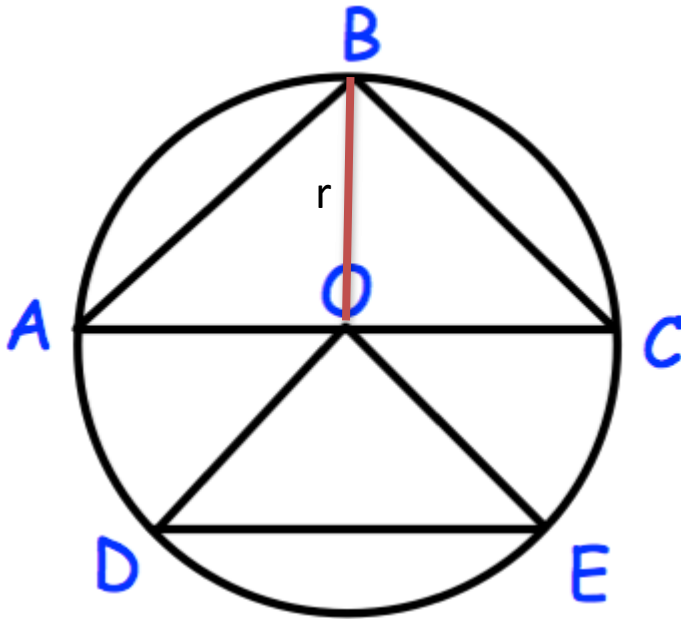


March 1st



Since $OE=OD = r$

And angle $EOD = 90^\circ$ (as DE is $\frac{1}{4}$ of the circumference)

The area of triangle $EOD = \frac{1}{2} \times r \times r = \frac{1}{2} r^2$

In triangle ABC ,

The base $AC=2r$

The vertical height is $=r$

The area of triangle $ABC = \frac{1}{2} \times 2r \times r = r^2$

So the ratio of area of triangles **ABC to ODE = 2:1**