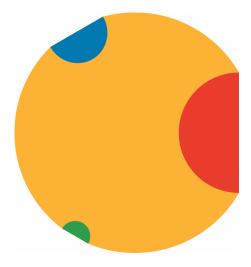| | **School**: | **STUDENT** |
	Name of Student:	**PUSE Task Number**
	Sets: circle	**C**
	Further tools: paper, pencil	
	Date:	**137**

POLY-UNIVERSE IN SCHOOL EDUCATION

Erasmus+

Description of the task:

We will use the base form circle. The diameter of the "circle" is 9 cm, the thickness is 0.5 cm, and it has the same colours on both sides. The radius of the large semicircle is half of the radius of the base circle, the diameter of the medium sized semicircle is ¼, and the radius of the small semicircle is 1/8 of the radius of the base circle. The diameters of the three semicircles cut off three shapes from the original circle, so the base form is not exactly a circle. The line segments connecting the centre of the base circle and the centres of the semicircles enclose an angle of 120°.

What shapes do the diameters of the semicircles cut off from the original circle?

Calculate the area of the semicircles.

Calculate the area of the shapes that are cut off.

What is the area of the yellow field?

Solution(s) of the task:

Remarks / Self-evaluation: