



School:  
Name of Student:  
Sets: triangle  
Further tools: paper, coloured pencil  
Date:

**STUDENT**  
PUSE Task Number  
**BC**  
**219**

**Description of the task:**

Tasks with sliding:

1. In how many ways can two basic element triangles be connected with sliding in a way that at least one vertex of the smaller triangles are connected to each other?
2. How many ways are there to put down two chosen basic elements with sliding to get a different layout in each case?  
(Two layouts are the same if they can be mapped onto each other by reflection or rotation.)

**Solution(s) of the task:**

**Remarks / Self-evaluation:**