

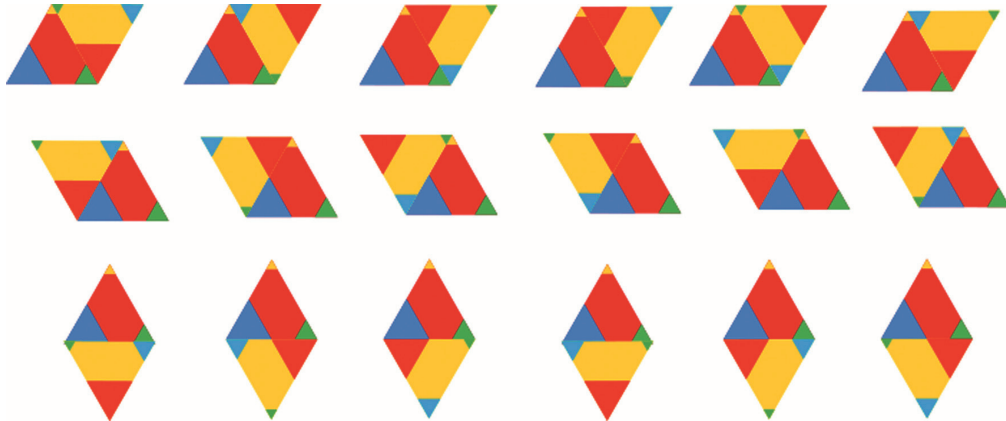


School:
Name of Student:
Sets: triangle
Further tools: paper, coloured pencil, or computer
Date:

STUDENT
PULSE Task Number
B
218

Description of the task:

The figure shows all possible constructions of two chosen triangle basic elements with total side connection.



1. How many of these have connections of the same colour?
2. How many of these have connections of the same size?
3. How many of these have connections of the same colour and size?
4. How many elements can be connected to a chosen element with same size connection? How many different layouts of those two triangles are possible with same size connection? Does the answer depend on the elements you choose?
5. How many elements can be connected to a chosen element with same colour connection? How many different layouts of those two triangles are possible with same colour connection? Does the answer depend on the elements you choose?
6. How many elements can be connected to a chosen element with same colour and size connection? How many different layouts of those two triangles are possible with same colour and size connection? Does the answer depend on the elements you choose?

Solution(s) of the task:

Remarks / Self-evaluation: