|	
School:	
Name of Student:	
Sets: triangle, circle, square	
Further tools: pencil	
Date:	

Description of the task:

We can assign a series of letters, so-called codes to the basic elements of the Poly-Universe sets. We used the letters of the shapes and colours to name the elements. Which letter should we add to the code of the basic elements so that the elements in one group belong to the same set?

Colours: **G-GREEN; B-BLUE; R-RED; Y-YELLOW**

Sets: **C**-circle, **S**-square, **T**-triangle

Examples:
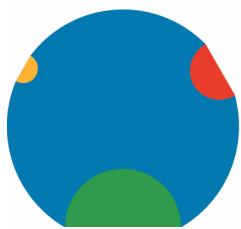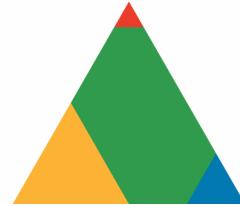
CBGRY   **S**RBYG   **T**GYBR

Solution(s) of the task:

Basic elements… RGBY ☐ ; …RGYB ☐ ; …RBGY ☐ ; …RBYG ☐ ; …RYGB ☐ ; …RYBG ☐
… GRBY ☐ ; …GRYB ☐ ; …GBRY ☐ ; …GBYR ☐ ; …GYRB ☐ ; …GYBR ☐
… BRGY ☐ ; …BRYG ☐ ; …BGRY ☐ ; …BGYR ☐ ; …BYRG ☐ ; …BYGR ☐
…YRGB ☐ ; …YRBG ☐ ; …YGRB ☐ ; …YGBR ☐ ; …YBRG ☐ ; …YBGR ☐

Basic elements… RGBY ☐ ; …RGYB ☐ ; …RBGY ☐ ; …RBYG ☐ ; …RYGB ☐ ; …RYBG ☐
… GRBY ☐ ; …GRYB ☐ ; …GBRY ☐ ; …GBYR ☐ ; …GYRB ☐ ; …GYBR ☐
… BRGY ☐ ; …BRYG ☐ ; …BGRY ☐ ; …BGYR ☐ ; …BYRG ☐ ; …BYGR ☐
…YRGB ☐ ; …YRBG ☐ ; …YGRB ☐ ; …YGBR ☐ ; …YBRG ☐ ; …YBGR ☐

Basic elements… RGBY ☐ ; …RGYB ☐ ; …RBGY ☐ ; …RBYG ☐ ; …RYGB ☐ ; …RYBG ☐
… GRBY ☐ ; …GRYB ☐ ; …GBRY ☐ ; …GBYR ☐ ; …GYRB ☐ ; …GYBR ☐
… BRGY ☐ ; …BRYG ☐ ; …BGRY ☐ ; …BGYR ☐ ; …BYRG ☐ ; …BYGR ☐
…YRGB ☐ ; …YRBG ☐ ; …YGRB ☐ ; …YGBR ☐ ; …YBRG ☐ ; …YBGR ☐

How many elements are there in each (triangle, square, or circle) set? _____

Write this number split according to the different base colours: _____

Write it as a multiplication. _____

Remarks / Self-evaluation: