
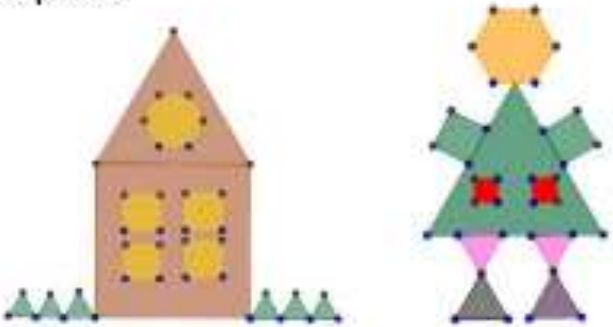


Evaluation



“Living geometry” - a worksheet created by the Latvian team tried out by Monika Schwarze (DE)

Task 2.

- 1) Activate the dynamic mathematical programme GeoGebra , maximize its window full screen.
- 2) Look at the pictures.



Now give way to your imagination and using GeoGebra make your own picture which consists of no less than 3 types of regular polygons no less than 12 in total. TO FULFIL THE TASK USE THE FOLLOWING TOOLS:

- the tool **REGULAR POLYGON** . Choose the tool, then draw the segment as a side of a regular polygon and in the coming up window put in the desirable number of regular polygon sides;
- the tool **MOVEMENT** . Choose the tool, replace and arrange the figures you have drawn; colour the picture if you wish.

- 3) Save the picture in the file NameSurnameGrade.ggb (for example, JohnGreen8grade.ggb) on the Desktop.
- 4) Close all the windows.

I have used this worksheet in a group of young students (10 years) to introduce them into GeoGebra in the first lesson. I have translated the steps 1 and 2. It worked well. Students find easily out how to use the drag mode, to move object, the difference between basic and related objects, how to colour, the difference between deleting and hiding objects and choosing a background colour. Rather soon they tried out circles and ellipses and rectangles to have more variation in their pictures.

Students, one year older, who also take part in the afternoon club and had worked 1-2 times before with GeoGebra explained how to reflect the whole constructions at a line or a point. That was great for the younger ones!

It is a motivating task that leads to discoveries of all options of GeoGebra.

The following lesson I used to explain rectangles to explain the difference between “drawing” a rectangle and “constructing it” dynamically.

Thanks Tatjana and Inaria!