

Maths lesson – grade VIII Primary school

Subject :

The aims of the lessons (in teachers' language) :

1. Revision and consolidation about :
 - characteristic of linear figures;
 - area and perimeter of figures;
 - the Pythagorean theorem;
 - application of the Pythagorean theorems.

The aims of the lesson (in students' language) :

1. I know and can use the characteristic of angles, triangles, and quadrangle;
2. I know and can use the application of the theorems of linear figures' areas and perimeters;
3. I know how to use the application of the Pythagorean theorems;
4. I know and can use the theorems of :
 - the diagonal of square;
 - the height and area of square;
 - the height and area of equilateral triangle;
 - the sides' length of triangles : 90° , 60° , 30° , and 90° , 45° , 45° .

Before the lesson:

students watch at home the following films, so that they can revise necessary during the lesson information:

1. <https://www.youtube.com/watch?v=TUI5Kggq2ap4>
2. <https://slideplayer.pl/slide/2978658/>
3. <https://www.youtube.com/watch?v=IYQihJWM0dA>

During the lesson:

1. Students work in pairs at computers or tablets;
2. They log on the following page :
https://gwo.pl/strony/3085/seo_link:figury-geometryczne-na-plaszczyzynie-kl-8
3. Students work on a test and analyze the results in pairs;
4. They send the results of the tests to the teacher;
5. Class discussion on the problems occurred while working on the tests;

The approach of checking achieved aims:

- The teacher observes students' work in groups;
- Teachers help with solving technical and essential problems;
- Interactive online test makes it possible to check students' work and to identify different problems, which need to be clarified during the next lessons.

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