
Remember:

- Each task should be solved on a separate page.
 - Each page at the top must have the name and the number of the team written (Team numbers are in folder TEAMS)
 - As far as Maths is concerned, all the necessary calculations and justifications have to be written.
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ROUND 1

GEOGRAPHY

Answer the questions:

1. What is involved in karst processes?
2. Name three rocks in which karst phenomena occur.
3. Name three karst caves in Poland and three in the Czech Republic.

(Use original spelling)

MATHS

1. Prove that the number k^2+7 is divisible by 8, knowing that k is divisible by 3 and is not divisible by 2.

2. Prove that

$$\sqrt[3]{26+15\sqrt{3}}+\sqrt[3]{26-15\sqrt{3}}=4$$

3. Find all the natural lengths of the sides of right triangles which circumference is equal to the area of the triangle.

Send the solutions to address: aleksandra.rachwal@1lo.bochnia.pl

(the topic of the e-mail should be „Geomatical Contest”) until December 3.
