



The Zaremba Society of Mathematicians - Students  
of Jagiellonian University  
Institute of Mathematics UJ  
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## Preworkshop for Young Mathematicians

September 13 – 16, 2017



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## Wednesday 10:00am – 4:00pm

**Piotr Miska**

Elementary number theory, continued fractions, Pell's equation, Baker-Davenport reduction method.

## Thursday 10:00am – 6:00pm

**Maciek Gawron**

Abc conjecture, Mason-Stothers theorem, perhaps Dedekind sums.

**Błażej Żmija**

Complex analysis, Hardy–Littlewood circle method, perhaps elements of harmonic analysis.

## Friday 10:00am – 4:00pm

**Kacper Łasocha**

Elliptic curves over rational numbers and finite fields, curve arithmetic, group structure.

## Saturday 10:00am – 4:00pm

**Anna Szumowicz**

Representations of a locally profinite group, Langlands program, class field theory, Galois representations, L-functions.