$1000/\sqrt{13792}$

$1000/\sqrt{478612}$

$1000/\sqrt{26363}$

$1000/\sqrt{384847}$

$1000/\sqrt{801561}$

$1000/\sqrt{946738}$

$1000/\sqrt{730836}$

$1000/\sqrt{561908}$

$1000/\sqrt{416650}$

The challenge is to compute $1000/\sqrt{N}$ for randomly selected N such that $10000 < N < 999999$. If N happens to be a square number, the task will be replaced by another random task. The solution has to be given with eight significant digits.

This means that if for the task $1000/\sqrt{N}$, the contestants writes down E as solution, it is regarded as correct if and only if $\left| E - 1000/\sqrt{N} \right| \leq 5 \cdot 10^{-8}$.

Example: The task is $1000/\sqrt{936871}$, where the correct solution is approximately 1.033142201912642. Every solution within the range $1.033142151912642 \ldots 1.033142251912642$ will be regarded as correct.

The decimal separator **must** be written at the correct position!

Time: 7 minutes

Score: Number of correctly solved problems (there will be no penalty for incorrect results) – A sufficiently large number of tasks will be provided.