



PYTHAGORAS QUEST

Distriktfinal



Part 3 Time: max 20 min

Decider Question

Allowed tools: Paper, pencils and rubbers (no calculator)

If two or more teams have the same total points from Parts 1 and 2 then the decider question is used. Firstly we look to the correct answer, then we look to the team who has solved it in the shortest amount of time.

What is $a + b + c$ if

$$\begin{cases} a + \lfloor b \rfloor + \{c\} = 5,55 \\ \lfloor a \rfloor + \{b\} + c = 5,12 \\ \{a\} + b + \lfloor c \rfloor = 3,85 \end{cases}$$

where a , b och c are positive numbers.

Note: $\lfloor x \rfloor$ is the largest whole number smaller than or equal to x . $\{x\}$ is the decimal part of x .