

# Project Question

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## Sample (4)

### **To Estimate the Number of strands of Hair**

This question asks for the estimation of the number of strands of hair on a certain pupil's head:

- a. This pupil can be a boy or a girl, whose hair should not be so less that the estimation becomes too easy. The participating school can decide by itself which pupil's hair is to be estimated.
- b. The emphasis is on the estimation strategy. Pupils can use common tools or equipment. However, they should use simple and effective measuring and estimating techniques. They should also take heed of safety and hygiene, and avoid using any strategy that might cause harm or bad feelings in the others.
- c. The estimation should make use of mathematical methods and principles, such as proportion, estimation and sketching, so that the whole process of measurement and calculation can be simplified, while the answer will not be too inaccurate.
- d. Video clips should include pupil activities, in addition to the oral presentation and conclusion.
- e. Written reports should be clear and concise.
- f. The final product should include a picture or a video clip of the pupil whose hair is to be estimated, so that the juror can have a good understanding of the quantity of the pupil's hair.