



## Diffie-Hellman – the mathematics bit

### I – Communication practice

The goal is to design a **MCQ** (*multiple choice quiz*) based on the video content and implement it with the **kahoot!** website. You will work in pairs on **only one part of the video** (a group of five consecutive paragraphs), assigned to you by your teacher.

#### 1. With your colleague, prepare a list of five questions about the video.

- This work will be done as a **text format document** which will be printed. Don't forget to type both your names on it.
- Each question will have **four possible answers**, only one of them being the correct answer. Moreover:
  - answers should be written just below the question, with a *bullet-point* paragraph format;
  - each answer should be *short* (no full sentences, only a few words);
  - wrong answers should be as realistic as possible, so that the choice may not be too easy;
  - the correct answer should be put in *bold type*.
- Your list will be **evaluated** and **corrected** before creating the MCQ.

#### 2. With your colleague, create a MCQ based on your list questions corrected by your teacher.

- This work will be done on the **kahoot!** web site.
  - First, you need to **sign up** as a student with an email address and a password on the **kahoot.com** web page. When logged in, scroll down and click on the link “use kahoot for free”.
  - Then, you should find all the help you need to create a **kahoot** quiz in the **tutorial** accessible via the following link: <https://youtu.be/KJgZZQcsSPk>
  - For each question, it would be nice if you added a **screenshot** from the video or a **pertinent image** downloaded from the Internet (only if they are registered under a free license). You can even create an animation if it helps understanding the question.
- Once everyone's quiz is ready, we will **play** them **in the classroom** one by one and all the student will **compete** to try to answer the questions as quickly as possible.
  - Each student will need a **smartphone** to participate.
  - To participate in a quiz, you need:
    - to go the **kahoot.it** web page and type the **pin number** of the quiz that will be displayed on the classroom whiteboard;
    - to give your **name** to be identified by the application; “funny” nicknames will not be allowed, in order to avoid stupid laughter during the quiz.