**Scenario 20 – Test**

Abby would like to test classmate’s knowledge about Snap! She created a test with questions, but she has lost the code for checking the correctness of the answers. Help her create a program, which will change background before each question, and let Abby tell the possible answers to her classmate at the same time. Abby will also count correct and wrong answers.

1. First you have to open C4G\_20\_test\_en\_tmp program, where you will find Abby, start button, and the backgrounds you will need for the test. Abby first gives instructions to her classmate, which are already written for you. Each correct answer brings 1 point, while each wrong answer deducts a point from a total score.
2. Start button: First make sure, that the game will start, when the start button in pressed. On click the button has to be hidden. How will you inform other characters that the game has begun? What do you have to do with the start button on the beginning of the program?
3. Changing stage background: when the game starts when background has to be changed with the next one. The easiest way to do this is that Abby broadcasts a message to change, and the stage changes costume to the next one when it receives this message. Try it out!
4. Create 2 variables: one for correct and one for wrong answers
5. Seting questions: As the questions are written on the stage background, Abby has to ask a question so that she tells the classmate what are the possible answers, e.g. You can answer with yes or no
6. When classmate answers, Abby must tell him if the answer was correct or not. If it was she also adds a point for correct answer, otherwise she adds a point to wrong answers
7. After each question the background is changed to the next one. Do you still know how to do it?
8. At the end of the test, Abby has to tell her classmate how many answers were correct, how many were wrong and what is his score (= number of correct – number of wrong answers)
9. Based on the total score Abby tells her classmate if he successfully passed the test or if he has to retake it

Additional task 1: Abby can change appearance during the game

Additional task 2: add your own questions. The do not need to be written on the background - Abby can tell them to the classmate

Template: <https://snap.berkeley.edu/project?user=spelac&project=C4G_20_test_en_tmp>