1) Create the MakeCode program after decomposing the algorithm below.

a) When the micro:bit is shaken, it displays a random number between 1 to 6 on the LED display. This number is shown for 5 seconds and the screen clears.



 b) When the micro:bit logo is touched, it displays a random number between 2 to 12 on the LED display. This number is shown for 2 seconds and the screen clears.

 i) Open new project.

 ii) Create the code by following the above algorithm a and algorithm b.

 iii) Run program.

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| **Rubric for Makecode** |
|  | 1 | 2 | 3 |
| Open project |  |  |  |
| Able to use basic block |  |  |  |
| Use of math block |  |  |  |
| Run the code |  |  |  |
| **Key**:1. Needs more opportunity to develop this skill.
2. Beginning to demonstrate this skill.
3. Has achieved this skill.
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