**Process**

Process of rolling the dice

1. Get one dice
2. Shake it in your hand
3. Throw or “roll it to the ground”
4. The number facing up is the number rolled

Process of rolling a pair of dice

1. Get 2 pairs of dice
2. Shake them in your hand
3. Roll them towards the ground
4. Add up both numbers facing up

**Flaws in the method**

1. The dice may fall out of your hand
2. The dice may roll under some furniture of objects
3. The dice may roll too far
4. The dice may be stuck on an edge and more than 1 numbers are facing up
5. It may take time for younger children to add up numbers on the dice
6. Dice can be modified
7. Chances of numbers being repeated increase
8. Chances of cheating increase

**Solution**

Make a program that randomizes numbers from 1 to 6 (single dice) or 2 to 12 (double dice) to avoid any of the errors or flaws listed above.

**Impacts of the solution**

1. No cheating possible
2. The number provided cannot be altered in any manner
3. You can’t lose any dice