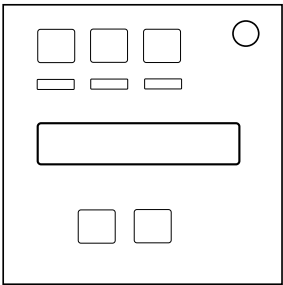# On the Subject of Encrypted Dice

Now made easier and simpler!

- This module contains a set of three dice and a set of two dice.
- The values from the set of three dice equate to converted values on the set of two dice.
- To solve the module, submit the converted values on the set of two dice three times.

Roll the dice to get the values of the dice from the set of three. The first roll is done for you when the room's lights turn on. Click on the dice in the set of two to write your answer. Once you have your answer, roll the dice again.

Let A, B, and C be the values of the set of three dice sorted from smallest to largest. Let X and Y be the values of the set of two dice (order doesn't matter). Follow the rules from top to bottom.

Rolled	Submit
A = B and A = C	X = 5 and Y = 5
A = B or B = C	X = A and Y = C
C = 6	X = A and Y = B
C = 5 and B − A = 1	X = A and Y = 6
C = 5	X = A + B and Y = 6
Otherwise	X = Y and Y = value from 1 to 4 not present