Chocolate game

### Equipment

* dice
* block of chocolate (beware of allergies)
* knife, fork, plate

### Aim

To eat as much chocolate as possible

### How to play

1. Place the chocolate on the plate with the knife and fork.
2. Students sit in a circle on the floor surrounding the chocolate.
3. The students each take turns rolling the die. If they roll a ‘6’ they are allowed into the middle of the circle. They must cut off and eat only one square of chocolate at a time.
4. The remaining students continue to take turns to roll the die until one of them rolls a ‘6’. They then replace the student in the middle and are allowed to start cutting off and eating single squares of chocolate.
5. The game ends when there is no chocolate left.

### Teaching points

* How many rolls between each 6?
* How many times does 6 appear compared to the total number of rolls? What is this as a probability?
* How many times is each number appearing? Are they equal? Are their probabilities equal?
* What would happen if we changed the number from 6 to a different number. Does this change the result of the game?
* Choose 2 numbers, which if rolled, will allow the students to eat chocolate. How does this change the game?