

# Tong

In the ancient game of Tong, two players simultaneously show their right hands to each other, with one, two or three fingers extended. All these outcomes are equally likely.

- (a) What is the probability that the total number of fingers shown on any go is an even number?
- (b) Discuss what would happen if the number of fingers was changed.
- (c) Can you see a pattern?
- (d) Develop a formula.

[See module 4A for information on probability]

