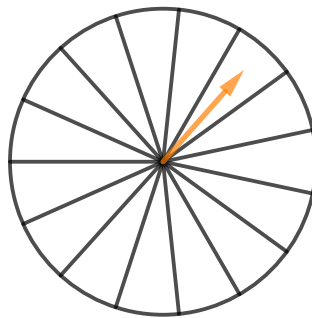# Problem of the Week
Problem E
Spin, Spin, Spin

A spinner is divided into 15 equal sections. Each section is coloured either red, green, or yellow. An arrow is attached to the centre of the spinner. Jordan spins the arrow 3 times. If there is a 48.8% chance of landing on red in at least one of the three spins, how many red sections are there?

You may use a known result from probability theory. If the probability of event A occurring is a, the probability of event B occurring is b, the probability of event C occurring is c, and the results are not dependent on each other, then the probability of all three events happening is $a \times b \times c$.