

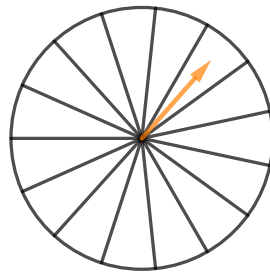


## Problem of the Week

### Problem E

### Spinning Red

A spinner is divided into 15 equal sections. Each section is coloured either red or yellow. An arrow is attached to the centre of the spinner. Jamal spins the arrow two times. If there is a 64% chance of landing on red in at least one of the two spins, how many red sections are there?



NOTE: You may use the following fact from probability theory: If the probability of event  $A$  occurring is  $a$ , the probability of event  $B$  occurring is  $b$ , and the events are not dependent on each other, then the probability of both events occurring is  $a \times b$ .