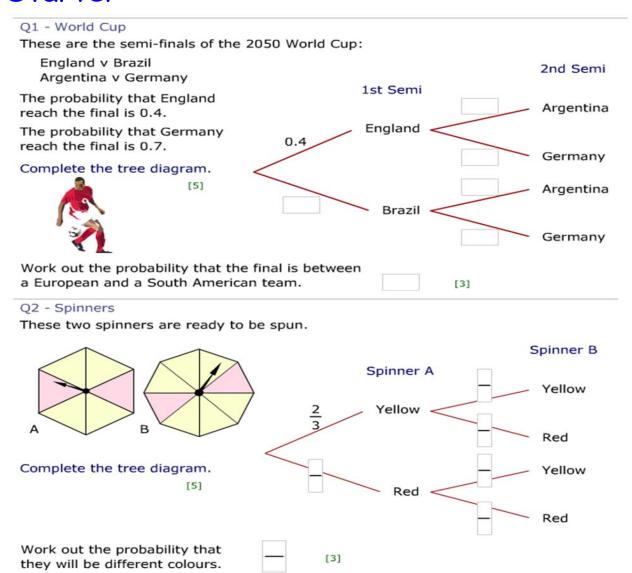
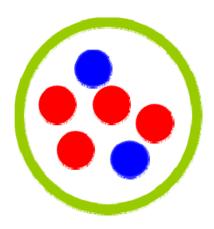
Starter:



Example 1

A bag contains 2 blue and 4 red beads. When a bead is taken from the bag, it is not replaced. Draw a tree diagram to show all the possibilities of two beads being taken consecutively



Example 2

A bag contains 3 blue and 5 red beads. When a bead is taken from the bag, it is not replaced. Draw a tree diagram to show all the probabilities for each case.



Example 3

A contestant has two darts and wins a game if he/she can bursts a balloon using these two darts. The probability of a burst with the first attempt is 1/3. If the contestant fails with the first attempt, the second attempt has a probability of 1/2. What is the probability of bursting the balloon?

