**Memory**

Learn the fact that mutually exclusive probabilities add up to 1.

**Research**

What is the probability of winning the lottery?

**Literacy**

Certain, impossible, event, mutually exclusive, conditional, bias

**Stretch**

1. The Probability I am late to work is 0.6. Out of 5 working days, how many can I expect to be late?
2. What is the probability of rolling a double with 2 fair dice?

**Skills Practice**

1. What is the probability of picking a vowel from the letters MRS MARSHALL?
2. Which is more likely- rolling a prime number on an ordinary 6 sided dice, or rolling a square number?
3. What is the probability of picking an S out of the letters MISSISSIPPI?
4. The probability I pass a test is 0.8, what is the probability I fail?
5. There are red, blue and green counters in a bag, P(red) = 0.45, P(blue)= 0.2. What is the probability of picking green?