

In a deductive reasoning test you will use your problem solving and reasoning skills. You will be asked to evaluate arguments, analyse scenarios and draw conclusions.

### **Example 1**

Review the facts below:

Jane drives a red car  
Susan drives a blue car.  
There are no red cars in New York.  
Blue cars do 33 miles per gallon of petrol.

Based on the information above, which of the following statements **MUST** be true?

- A: Jane lives in New York
- B: Susan lives in New York
- C: Red cars do 36 miles per gallon of petrol
- D: Susan's car does 33 miles per gallon of petrol.
- E: Jane and Susan live in the same state.

The correct answer is D – since blue cars do 33 miles per gallon, the fact that Susan drives a blue car must mean that Susan gets 33 miles per gallon.

### **Example 2:**

Review the facts below:

An executive calls each of her five division managers on Monday morning. She calls them in the same order each week.

She calls Laura in one of the first two calls.  
She calls Pat after Jim  
She calls Chris before Sandra  
She calls Sandra after the third call.  
She does NOT call Pat last.

Based on the information above, which of these **CANNOT** be true?

- A: She calls Chris third
- B: She calls Jim second
- C: She calls Jim fourth
- D: She calls Pat third
- E: She calls Chris fourth

The correct answer is C. Since the executive does not call Pat last, that means that Jim cannot be called fourth, since we know that she calls Pat after Jim.