



## Reasoning Order - set samples - paper 1

1. 5 friends are sitting in a row of seats at the cinema. Clues about their seating order from left to right:

- Martha is sitting immediately to the left of Laila.
- Harry is sitting in the second seat from the right.
- Bob is sitting somewhere between Saroj and Laila.

(a) Who is sitting in the leftmost seat?

ans \_\_\_\_\_

(b) Who is sitting immediately to the right of Laila?

ans \_\_\_\_\_

(c) Write down the full order of the friends from left to right.

ans \_\_\_\_\_

2. A treasure map lists 5 landmarks you must visit in order. Clues about the sequence of landmarks:

- The Oak is the 4th landmark to visit.
- You must visit Skull Rock sometime between visiting the Waterfall and the Statue.
- You must visit the Statue immediately before the Shipwreck.

(a) Which is the 1st landmark to visit?

ans \_\_\_\_\_

(b) Which landmark do you visit immediately before Skull Rock?

ans \_\_\_\_\_

(c) Write down the full sequence of landmarks to visit.

ans \_\_\_\_\_

3. 5 animals are standing in a line at a watering hole. Clues about their order from left to right:

- The rhino is standing immediately to the left of the monkey.
- The cheetah is standing somewhere between the hippo and the monkey.
- The elephant is standing second from the right.

(a) Which animal is standing immediately to the left of the hippo?

ans \_\_\_\_\_

(b) Which animal is standing on the far right?

ans \_\_\_\_\_

(c) Write down the full order of the animals from left to right.

ans \_\_\_\_\_



## Reasoning Order - set samples - Answers

1. Assuming seat 1 is on the left  
We know Harry is in the second seat from the right.  
Martha is immediately before Laila: possible positions are (seat 1, seat 2) or (seat 2, seat 3).  
Let's try Martha at seat 2 and Laila at seat 3: there is no room for Bob to fit between Laila and Saroj.  
So Martha must be at seat 1 and Laila at seat 2.  
Bob is sitting somewhere between Laila and Saroj. With Laila at seat 2, this places Bob at seat 3 and Saroj at seat 5.  
**(a) Martha**  
**(b) Bob**  
**(c) Martha, Laila, Bob, Harry, Saroj**
2. We know the Oak is the 4th landmark.  
The Statue is immediately before the Shipwreck: possible positions are (landmark 1, landmark 2) or (landmark 2, landmark 3).  
Let's try the Statue at landmark 2 and the Shipwreck at landmark 3: there is no room for Skull Rock to fit between the Statue and the Waterfall.  
So the Statue must be at landmark 1 and the Shipwreck at landmark 2.  
You must visit Skull Rock sometime between visiting the Statue and the Waterfall.  
With the Statue at landmark 1, this places Skull Rock at landmark 3 and the Waterfall at landmark 5.  
**(a) Statue**  
**(b) Shipwreck**  
**(c) Statue, Shipwreck, Skull Rock, Oak, Waterfall**
3. Assuming position 1 is on the left  
We know the elephant is second from the right.  
The rhino is immediately before the monkey: possible positions are (position 1, position 2) or (position 2, position 3).  
Let's try the rhino at position 2 and the monkey at position 3: there is no room for the cheetah to fit between the monkey and the hippo.  
So the rhino must be at position 1 and the monkey at position 2.  
The cheetah is standing somewhere between the monkey and the hippo. With the monkey at position 2, this places the cheetah at position 3 and the hippo at position 5.  
**(a) elephant**  
**(b) hippo**  
**(c) rhino, monkey, cheetah, elephant, hippo**