Puzzle Test Questions for LIC AAO, SBI PO Pre, IBPS PO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Directions: Study the following information carefully and answer the questions given beside:

Six persons – Rohit, Ankit, Misti, Vishal, Parul and Sweta, appeared for an exam. Each of these persons scored different marks – 16, 15, 13, 10, 8 and 5, not necessarily in the same order.

Marks scored by Rohit were a prime number.
Vishal scored more marks than Sweta but less than Ankit.
Marks of Ankit were a multiple of the marks of Misti.
Sweta scored less marks than Parul.
Parul didn't score 10 marks.
The difference of marks scored by Rohit and Parul was 3.

1.   Who among the following scored maximum marks?

A. Ankit   B. Vishal   C. Parul   D. Misti   E. None of these

2.   How many persons scored more marks than Vishal?

A. One   B. Two   C. Three   D. Four   E. Five

3.   What marks were scored by Sweta?

A. 8   B. 10   C. 5   D. 13   E. None of these

4.   What was the difference of the marks scored by Vishal and Misti?

A. 5   B. 3   C. 2   D. 6   E. None of these

5.   How many person(s) scored marks between Rohit and Sweta?

A. None   B. One   C. Two   D. Three   E. More than three

Correct Answers:

1	2	3	4	5
C	C	A	A	B

Common explanation:

Reference:
Six persons – Rohit, Ankit, Misti, Vishal, Parul and Sweta, appeared for an exam. Each of these persons scored different marks – 16, 15, 13, 10, 8 and 5, not necessarily in the same order.

Inference:
We will keep this information in mind while solving the puzzle.

Reference:
Marks scored by Rohit were a prime number.

The difference of marks scored by Rohit and Parul was 3.

Parul didn't score 10 marks.

Inference:

Here, the marks scored by Rohit can be either 5 or 13 (as 5 and 13 are only prime we have under the given conditions).

As we know that the difference of marks scored by Rohit and Parul was 3 then the possible scenarios for marks of Parul are:

Possibility 1:

Rohit scored 5 marks.

If Rohit scored 5 marks then marks scored by Parul are either 2 or 8 but here, Parul cannot score 2 marks as none of the persons score 2 marks.

Then,

Case 1:

Person	Marks
Rohit	5
Parul	8

Possibility 2:

Rohit scored 13 marks.

If Rohit scored 13 marks then marks scored by Parul are either 10 or 10 but we have a hint that Parul didn't score 10 marks.

Then,

Case 2:

Person	Marks
Rohit	13
Parul	16

Reference:
Marks of Ankit were a multiple of the marks of Misti.

Inference:
Here, we will try to use the above hint in both of the cases separately.

Case 1:

Person	Marks
Rohit	5
Parul	8

Here, we have no such possible combination in which marks of Ankit and Misti can be figured out under the given conditions. So we can say that **case 1 is an invalid case**.

Case 2:

Person	Marks
Rohit	13
Parul	16

 Here, we have two possible combinations in which marks of Ankit and Misti can be figured out under the given conditions.

Combination 1:
Misti scored 5 marks and Ankit scored 5 × 2 = 10 marks.

Combination 2:
Misti scored 5 marks and Ankit scored 5 × 3 = 15 marks.

Case 2-A:

Person	Marks
Rohit	13
Ankit	10
Misti	5
Parul	16

 Case 2-B:

Person	Marks
Rohit	13
Ankit	15
Misti	5
Parul	16

Reference:
Vishal scored more marks than Sweta but less than Ankit.

Sweta scored less marks than Parul.

Inference:
Here, we will try to use the above hint in both of the cases separately.

Case 2-A:

Person	Marks
Rohit	13
Ankit	10
Misti	5
Parul	16

Here, the remaining persons whose marks still need to be identified are Sweta and Vishal, and the marks that can be assigned to these persons are 8 and 15.

We have a hint that Vishal scored more marks than Sweta so the marks of Vishal must be 15 and marks of must be 8.

But it is also given that marks of Vishal were less than marks of Ankit which is not possible under the given conditions. So, we can say that**case 2-A is an invalid case**.

Case 2-B:

Person	Marks
Rohit	13
Ankit	15
Misti	5
Parul	16

Here, the remaining persons whose marks still need to be identified are Sweta and Vishal, and the marks that can be assigned to these persons are 8 and 10.

We have a hint that Vishal scored more marks than Sweta so the marks of Vishal must be 10 and marks of must be 8. Now this combination is not contradicting with any of the given hints.

Person	Marks
Rohit	13
Ankit	15
Misti	5
Vishal	10
Parul	16
Sweta	8

Answers :

1. Following the final solution, we can say that Parul scored maximum marks.

Hence, the correct answer is option **C**.

2. Following the final solution, we can say that three persons scored more marks than Vishal.

Hence, the correct answer is option **C**.

3. Following the final solution, we can say that 8 marks were scored by Sweta.

Hence, the correct answer is option **A**.

4. Following the final solution, we can say that the marks scored by Vishal and Misti were 10 and 5 respectively.

Required Difference = 10 – 5 **= 5**

Hence, the correct answer is option **A**.

5. Following the final solution, we can say that one person scored marks between Rohit and Sweta.

Hence, the correct answer is option **B**.