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Seating Arrangement Questions for IBPS PO Pre, RRB Scale I Pre, SBI PO Pre, Canara Bank PO, Syndicate Bank PO, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Set No 118

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

Eight persons – A, B, C, D, E, F, G, and H are sitting in a straight line facing north. All have different ages (in years) – 7, 10, 13, 18, 28, 30, 36, and 42 but not necessarily in the same order.

G is sitting second to left of the one who is 18 years old. Two persons are sitting between G and B. Person having age 13 is sitting immediate right of B. D is immediate neighbor of B. G is as much younger than D as he is older than H. None of G, H, and D are sitting immediate to one another. C is sitting third to right of the one who is 7 years old. A is sitting second to right of the one who is 36 years old. At least three persons are sitting between G and A. F is sitting third to right of the one who is 10 years older than him. A is not the oldest.

1. Four of the following five are alike and thus form a group. Which is the one that does not belong to the group?

- A. A B. E C. G D. D E. F

2. What is the position of the one whose age is 28 years with respect to the one who is the oldest among all?

- A. Second to the left B. Third to the left C. Second to the right D. Third to the right E. Immediate left

3. Who among the following sit(s) at the extreme end?

- A. H B. B C. A D. Both B and C E. Both A and C

4. What is the difference between the ages of D and C?

- A. 20 B. 29 C. 8 D. 15 E. 30

5. Who among the following is 30 years old?

- A. C B. G C. A D. F E. None of these

Correct Answers:

1	2	3	4	5
D	A	E	B	C

Common Explanations:

Reference:

G is sitting second to left of the one who is 18 years old.

Two persons are sitting between G and B.

Person having age 13 is sitting immediate right of B.

Inference:

Following two cases are possible from the given hints.

Case1: When G is third to the left of B

Persons		G			B	
Age				18		13

Case2: When G is third to the right of B

Persons	B			G		
Age		13				18

Reference:

D is immediate neighbour of B.

G is as much younger than D as he is older than H.

None of G, H, and D are sitting immediate to one another.

Inference:

Given ages are - 7, 10, 13, 18, 28, 30, 36, and 42

To satisfy the second hint now we'll check the possible combinations.

We have one such combination where age difference is equal throughout. 7, 10 and 13 (difference is 3)

Thus the ages of G, D and H are 10, 13 and 7 respectively.

Case1: When G is third to the left of B

Persons	H	G	H		B	D
Age		10		18		13

Case2: When G is third to the right of B

Persons	B	D	H	G	H	
Age		13		10		18

Reference:

C is sitting third to right of the one who is 7 years old.
A is sitting second to right of the one who is 36 years old.
At least three persons are sitting between G and A.

Inference:

Case1: When G is third to the left of B

Persons	H		G	C		B	D	A
Age	7		10		18	36	13	

Case2: When G is third to the right of B

[Eliminated] because number of persons between A and G are not atleast 3.

Persons	H	B	D	C	G			A
Age	7		13		10	36		

Reference:

F is sitting third to right of the one who is 10 years older than him.
A is not the oldest.

Inference:

The only possible place for F is to the immediate left of B. Then his age will be 18 years.
The vacant place is filled by the only left person i.e. E.
Thus as per the first hint age of E is 28 years.
As A is not the oldest, that means his age is not 42 years and the remaining ages are - 42 and 30.
So, ages of A and C are 30 and 42 respectively.
Thus the final arrangement is as follows.

Case1: When G is third to the left of B

Persons	H	E	G	C	F	B	D	A
Age	7	28	10	42	18	36	13	30

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Answers :

1. From the following explanation it is clear that D is the only one whose age is an odd number, thus is the odd one out.

Hence option D is correct.
2. From the following explanation it is clear that the person whose age is 28 years is second to the left of the one who is the oldest person.

Hence option A is correct.
3. From the following explanation it is clear that H and A are sitting at the extreme ends.

Hence option E is correct.
4. From the following explanation it is clear that the difference of the ages of C and D is 29.

Hence option B is correct.
5. From the following explanation it is clear that "T – Arvind Adiga" is wrongly matched.

Hence option C is correct.

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