

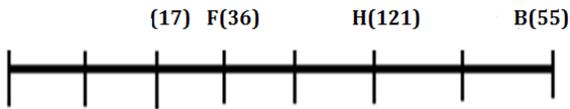
Reasoning Aptitude

Solutions (1-5):

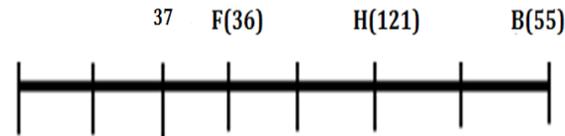
From the given condition, the one, who likes a prime number, sits third from left end of the row, so either the one who likes 37 or who likes 17 sits 3rd from the left end.

From the conditions, The one, who likes a prime number and sits third from left end of the row and F are immediate neighbor of each other. B, sits 4th to the right of F. F likes a number which is perfect square but not a palindrome number. H sits 2nd to the left of B. B, the one who likes a palindrome number which is divisible by both 11 and 5. Palindrome number is a number that remains same when its digits are reversed so the number is 55. The one, who sits 2nd right of the one, who likes 36 numbers likes the palindrome number which is divisible by 11. We have 4 cases from the above conditions.

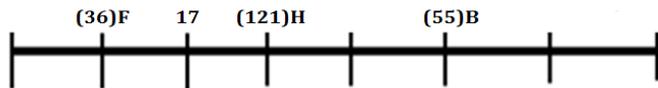
Case-I



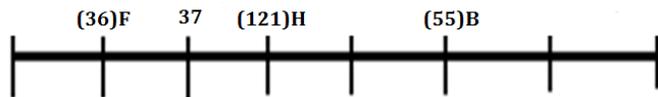
Case-II



Case-III



Case-IV



But from the given condition, B sits at extreme end of the row, so case III and case IV will be eliminated). Only case I and case II will be continued.

From the rest conditions, The number which is liked by A is double of the number which is liked by C. A and C are immediate neighbors of each other. The one who likes 60 sits 5th left of the one, who likes 121. G, likes the number, which is half of the number, which is liked by F. G sits left of both B and H. D sits right of F.

Case-I

A(60) C(30) E(17) F(36) G(18) H(121) D(37) B(55)



Case-II

A(60) C(30) E(37) F(36) G(18) H(121) D(17) B(55)



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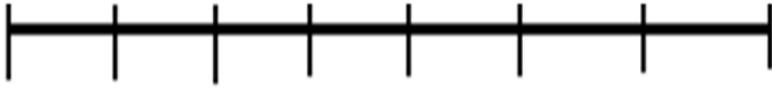
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From the given condition, D does not like the prime number which is less than 35 so case II will be eliminated. Case- I will be final answer.

A(60) C(30) E(17) F(36) G(18) H(121) D(37) B(55)



S1. Ans.(d)

S2. Ans.(a)

S3. Ans.(b)

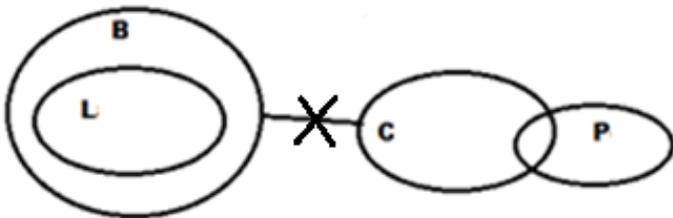
S4. Ans.(b)

S5. Ans.(c)

S6. Ans.(c)

S7. Ans.(c)

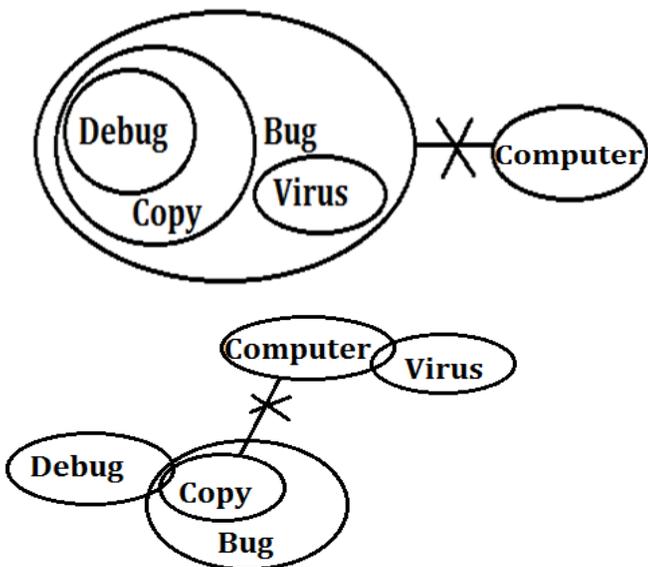
Sol.



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S8. Ans.(c)

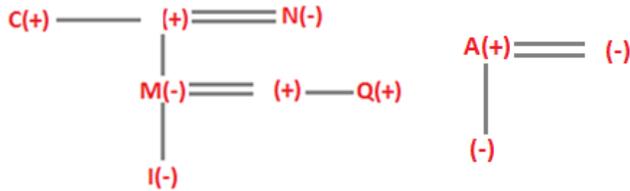
Sol.



Solutions (9-13):

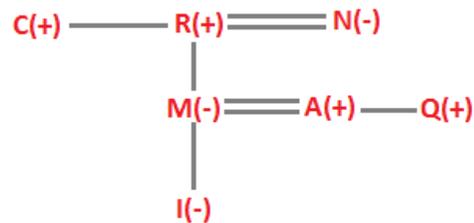
From the given conditions, first we try to complete blood-relation tree. M's husband works with M's father. M's daughter lives on First floor. C is brother-in-law of N and Q is brother of one of the married male person of the family. M's brother-in-law works with M's uncle. Only A's wife works in the 'Pantaloons' shop. M's mother is in the same shop as A's daughter. I's maternal grandfather lives on Fourth floor.

Blood relation tree-



From the given conditions, M's husband works with M's father in the Cantabile shop and does not live on Fifth floor. Only A's wife works in the 'Pantaloons' shop. If A is the husband of N, which means only N works in Pantaloons shop. But from the condition, M's mother is in the same shop as A's daughter. Hence N works with M, which is not possible, So A is the husband of M and rest R is the father of M.

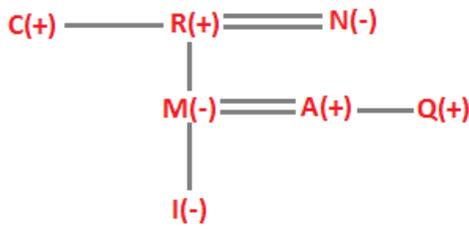
Blood relation tree-



Person	Shops	Floors
A	Cantabile	
Q		
R	Cantabile	
C		
I		
M	Pantaloons	
N		

From the given conditions, M's daughter lives on First floor and does not work in H&M shop. M's mother is in the same shop as A's daughter. M's brother-in-law works with M's uncle in the same shop and lives on Second floor. Hence both works in H&M shop. I's maternal grandfather lives on Fourth floor. The one, who lives on the Third floor, works in the H&M shop. None of the persons, who work in the Cantabile or 'Max' shop, lives on eight floor. M's husband works with M's father and does not live on Fifth floor.

Blood relation tree-



Person	Shops	Floors
A	Cantabile	Seventh
Q	H&M	Second
R	Cantabile	Fourth
C	H&M	Third
I	Max	First
M	Pantaloons	Eight
N	Max	Fifth


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S9. Ans.(c)

S10. Ans.(d)

S11. Ans.(a)

S12. Ans.(b)

S13. Ans.(e)

S14. Ans.(a)

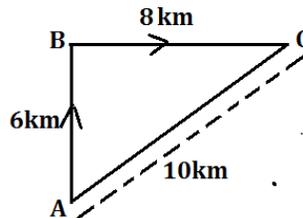
Sol. A starts his journey from point X at 3:40 am (<\$)

Total time to cover the distance from point X to Z = 1:15 + 2:10 hrs = 3:25 hrs

So A will reach at point Z after 3:25 hrs = 7:05 am = @?

S15. Ans.(b)

Sol. If Ajay takes 1:15 hrs to complete 2km distance then he will take 6:15 hrs to complete 10 km distance. 6:15 hrs = \$*



S16. Ans.(c)

Sol. T=D/S

T= 7:00 hrs = <?

S17. Ans.(e)

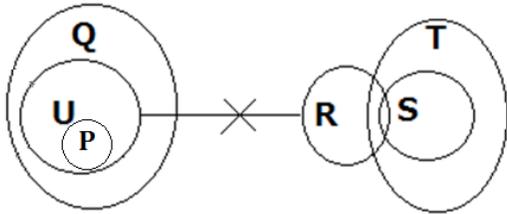
Sol. Ravi leaves station A at \$(7:15 am), he have to reach at station B at 8:15 am = \$>

S18. Ans.(a)

Sol. B will take 5hrs to finish a work, he started work at \$> = 8:15, it means he will finish a work at 1:15 = \$@

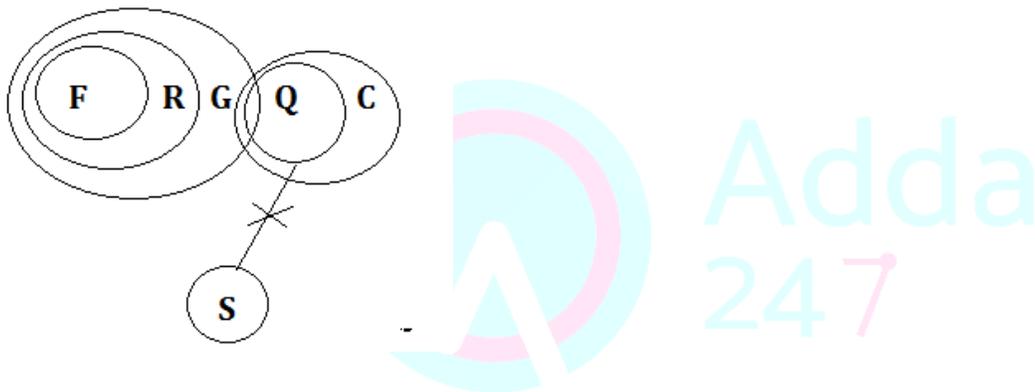
S19. Ans.(d)

Sol.



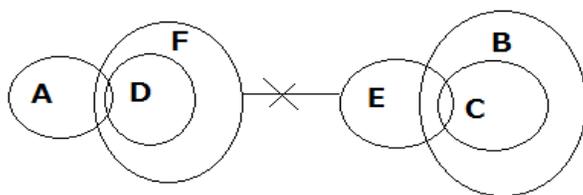
S20. Ans.(a)

Sol.



S21. Ans.(d)

Sol.



Solutions (22-26):

From the given conditions, there are two person sits between the person who want to see Vashisht Baths and the one who is immediate above the one, who is planning to go on December. The person, who want to see Beas Kund is planning to go on May and sits immediate above the person, who wants to see Vashisht Baths. The person, who is planning to go on December, is not immediate above the person, who is planning to go on May. Only One person sits between the person, who wants to see Solang Valley and the person, who wants to see Vashisht Baths, who is planning to go on July.

Case-1

Person	Months	Locations
	May	Beas Kund
	July	Vashisht Baths
		Solang Valley
	December	

Case-2

Person	Months	Locations
		Solang Valley
	May	Beas Kund
	July	Vashisht Baths
	December	

From the given conditions, neither V nor T is planning to go on December and May. There are three persons sit between the one who is planning to go on June and V. V is planning to go on September and he does not want to see Solang Valley. Hence there can be two possibilities in case-1.

Case-1

(i)

Person	Months	Locations
	May	Beas Kund
	July	Vashisht Baths
V	September	
		Solang Valley
	December	
	June	

(ii)

Person	Months	Locations
	May	Beas Kund
	July	Vashisht Baths
	June	
		Solang Valley
	December	
V	September	


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Case-2

Person	Months	Locations
	June	Solang Valley
	May	Beas Kund
	July	Vashisht Baths
V	September	
	December	

From the given conditions, the person who wants to see Hadimba Temple is planning to go on June. Hence case-2 is eliminated. U wants to see Rohtang Pass and he is not planning to go on August and September. Two persons sit between U and T. T does not want to see that location, which is immediate below the person, who is planning to go on July.

Case-1

(i)

Person	Months	Locations
	May	Beas Kund
T	July	Vashisht Baths
V	September	
		Solang Valley
U		Rohtang Pass
	December	
	June	Hadimba Temple

(ii)

Person	Months	Locations
	May	Beas Kund
T	July	Vashisht Baths
	June	Hadimba Temple
		Solang Valley
U		Rohtang Pass
	December	
V	September	

From the given conditions, the person, who wants to see Rohtang Pass is above the person, who wants to see Old Manali (but not immediate above). Hence case-(i) is eliminated and case-(ii) is continued. Four persons sit between R and S. Q sits below R and one person sits between Q and U. U is not planning to go on August and September. Hence Final arrangement are-

Person	Months	Locations
R	May	Beas Kund
T	July	Vashisht Baths
Q	June	Hadimba Temple
P	August	Solang Valley
U	February	Rohtang Pass
S	December	Adventure Activities
V	September	Old Manali

S22. Ans.(b)

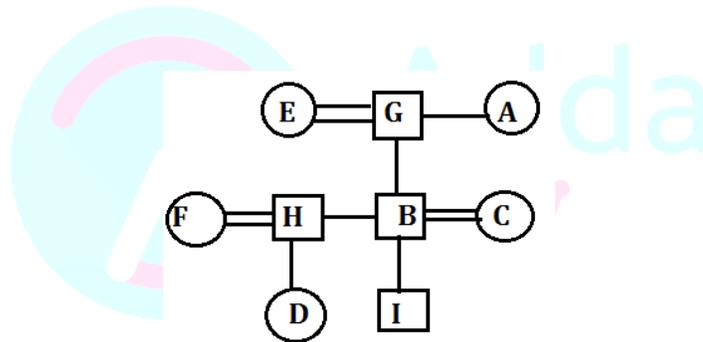
S23. Ans.(d)

S24. Ans.(a)

S25. Ans.(d)

S26. Ans.(e)

Solutions (27-28):



S27. Ans.(b)

S28. Ans.(c)

S29. Ans.(d)

Sol. $Y > Z < Q = J = U \leq I < X$

S30. Ans.(a)

Sol. After interchanging the position, Raman position will be 8th from right end and his position is given from left end that is 20th.

Hence total number of persons in a row = $20 + 8 - 1 = 27$ persons

Boys and girls ration is given 6:3

Let boys = $6x$ and girls = $3x$

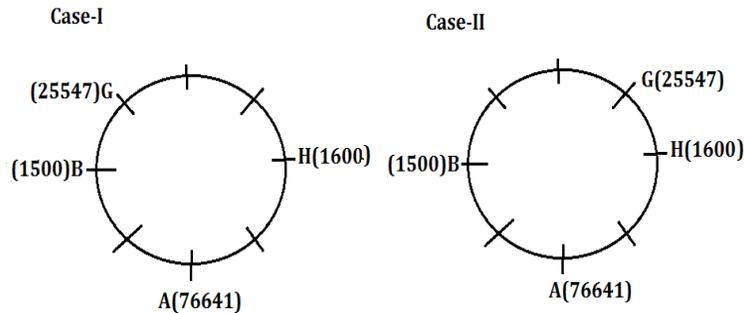
$6x + 3x = 27$, hence $x = 3$

Boys = 18, girls = 9

Solutions (31-35):

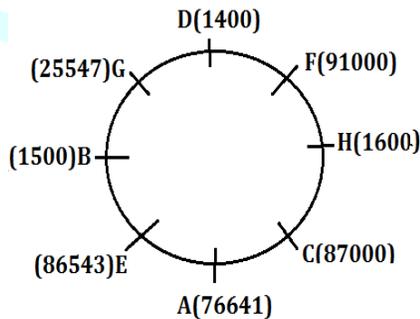
From the given condition, there is an angle of 90° between A and H. Hence H can sit either 2nd right or 2nd left of A. But the condition is given that, B sits at 90° clockwise Solutions of A. So H cannot sit 2nd left of A.

From the given conditions - Salary of the one, who sits 2nd to right of B is an odd number, which is divisible by 3. There is only one salary (76641) which is divisible by 3 and also an odd number, so A's salary is 76641. G's salary is $1/3^{\text{rd}}$ of A's salary means G's salary is 25547. There is an angle of 180° between B and the one whose salary is perfect square (1600). There is an angle of 135° between A and G, hence G can sit either 3rd left or 3rd right of A, so we have 2 possible case which are shown below. B's salary is average of H and D's salary, so B's salary is 1500 and D's salary is 1400.



The condition is given that, H is not an immediate neighbor of the one, whose salary is 25547, hence case II will be cancelled out. Only case I will be continued with the rest conditions.

From the remaining conditions- F sits at 135° clockwise Solutions to B. D is not an immediate neighbor of the one whose salary is 76641. There is an angle of 180° between F and E, whose salary is an odd number. C's salary is 2nd largest salary among all the salaries. We will get the final answer.



- S31. Ans.(a)
- S32. Ans.(d)
- S33. Ans.(c)
- S34. Ans.(e)
- S35. Ans.(b)



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