

Top 30 Reasoning Ability Questions for ESIC Exam 2022

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Direction: Read the following information carefully to answer the questions based on it.

Eight people A, B, C, D, E, F, G and H born on 8 different months i.e., January, March, May, June, July, September, November and December but not necessarily in the same order. G was born before November in the month having 30 days. Two people were born between G and H. H was born Before G. Number of people were born after H is one more than the number of people were born before A. Three people were born between A and B. C was born after A in the month having 31 days. More than three people born between C and D. F was born in the month having 31 days.

1. D was born in which of the following months?
A. July
B. June
C. March
D. May
E. None of these
2. How many people were born between C and F?
A. Three
B. One
C. Two
D. None
E. More than three
3. How many people were born after A?
A. One
B. Three
C. None
D. Two
E. Four

4. Who amongst the following people was born in September?

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

5. Four of the following five are alike in a certain way and hence form a group. Which amongst the following does not belong to that group?

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

6. How many such letters are there in the word 'MEASURE' in which the letters are same as in the English alphabet both from backward and forward?

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

Direction: Study the following data carefully and answer the questions accordingly.

4 5 3 9 2 9 2 6 5 7 8 7 8 6 9 3 4 3 5 4
9 7 4 8 7 3 6 4

7. Which of the following is the ninth element to the right of the seventh element from the left of the given arrangement?

- A. 9
- B. 4
- C. 3
- D. 6
- E. None of these



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8. What will be the resultant if the fifth element from the right end in the given arrangement is divided by the seventh element from the left end?

- A. 7
- B. 4
- C. 2
- D. 1
- E. None of these

9. How many 7s are there in the given arrangement each of which is immediately followed by an even number?

- A. Four
- B. Five
- C. Three
- D. Two
- E. None of these

10. How many perfect cubes are there in the given arrangement each of which is immediately preceded and followed by an odd number?

- A. Four
- B. Five
- C. Three
- D. One
- E. None of these

11. Which of the following is the eleventh element to the right of the sixteenth element from the right end?

- A. 4
- B. 5
- C. 8
- D. 6
- E. None of these

Direction: In the question below are given three statements followed by the conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly

known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

12. Statements:

Some Towels are not Handkerchiefs.
Only a few Handkerchiefs are Sheets.
No Sheets are Curtains.

Conclusions:

- I. Some Handkerchiefs are not Curtains
- II. Some Towels are not Sheets
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

13. Statements:

Only a few Home are Insert.
No Insert are Design.
All Design are Page Layout.

Conclusions:

- I. Some Home are Page Layout
- II. No Home are Page Layout
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

14. Statements:

Only a few Hands are Legs.
Some Legs are not Arms.
All Arms are Fingers.

Conclusions:

- I. Some Hands are not Arms
- II. Some Fingers are not Legs
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow



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15. Statements:

All Normal are Space.
No Space are Heading.
Only a few Heading are Titles.

Conclusions:

- I. No Normal are Heading
 - II. Some Titles are not Space
- A. Only I follows
 - B. Only II follows
 - C. Either I or II follows
 - D. Neither I nor II follows
 - E. Both I and II follow

Direction: Study the following data carefully and answer the questions accordingly.

Ten people are sitting in two rows. Five people are sitting in each row. People sitting in row 1 are facing the south direction and sitting in row 2 faces the north direction but necessarily in the same order. T sits opposite R, who sits in the middle. R sits second to the left of U. The one, who sits opposite U, sits third to the left of G. One person sits between W and G. H sits second to the right of P. K sits to the left of S, who faces the north direction. U and M are not neighbors.

16. Who sits second to the right of T?

- A. U
- B. S
- C. K
- D. P
- E. None of these

17. How many people sit between U and H?

- A. Three
- B. One
- C. Two
- D. Either Two or Three
- E. None

18. Who among the following sits diagonally opposite G?

- A. S
- B. K
- C. M
- D. H
- E. None of these

19. Who among the following sits at the left ends?

- A. U, S
- B. K, M
- C. H, W
- D. G, P
- E. None of these

20. Find the correct statement from the following.

- A. More than two people sit to the right of S
- B. G and M sits diagonally opposite to each other
- C. More than one person sits between M and R
- D. K is the neighbor of the one, who sits opposite H
- E. None is correct

Direction: Read the following information carefully and answer the questions which follow.

Point R is 7m to the west of point T which is 15m to the north of point P. Point C is 10m to the east of Point P. Point N is 15m to the south of Point C. Point F is 10m to the north of Point R. Point Q is 20m to the east of Point F. Point G is 10m to the south of Point Q.



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21. What is the total distance between Point N and Point R?

- A. 57m
- B. 37m
- C. 47m
- D. 45m
- E. None of these

22. What is the direction of Point T with respect to Point G?

- A. North
- B. South
- C. South- west
- D. West
- E. East

Direction: Study the data carefully and answer the questions accordingly.

Five people F, G, H, J, and K have different weights. The difference between the weights of K and H is 13kg. G is heavier than K and lighter than F. The weight of the lightest person is a perfect square number. Only one person is heavier than H. F is not the heaviest. Each one of them is heavier than 40kg. The second-lightest person is of 56kg.

23. What could be the weight of F?

- A. 66kg
- B. 60kg
- C. 65kg
- D. 52kg
- E. None of these

24. If the weight of F and H is 121kg and difference between the weight of J and F is 11kg then what will be the weight of J?

- A. More than 81kg
- B. Less than 65kg
- C. More than 76kg
- D. Less than 70kg
- E. More than 68kg

25. How many people are heavier than G?

- A. Two
- B. One
- C. Four
- D. Three
- E. None of these

Direction: Study the following information carefully and answer the following questions.

Seven people i.e. A, B, C, D, E, F, and G live on seven different floors of the building but not necessarily in the same order. Each person lives on a different floor. Ground floor is numbered as 1 and floor above it numbered as 2 so on till the topmost floor which is numbered as 7. G lives on even numbered floor below 6th floor. More than three people live above G. Two people live between G and A. Three people live between A and E. Number of people above G is same as the number of people below F. B lives three floors above D.

26. C lives on which of the following floors?

- A. 1st
- B. 3rd
- C. 7th
- D. 4th
- E. None of these

27. Who lives on the topmost floor?

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



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28. How many people live(s) between F and D?

- A. Three
- B. None
- C. One
- D. Four
- E. Two

29. How many people live below C?

- A. Two
- B. One
- C. Three
- D. Six
- E. None of these

30. Who lives between F and A?

- A. B
- B. G
- C. No one
- D. C
- E. None of these



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ANSWERS

1. Ans. C.

- 1) G was born before November in the month having 30 days.
- 2) Two people were born between G and H.
- 3) H was born Before G.

	Case 1	Case 2
Month	People	People
January	H	
March		
May		H
June	G	
July		
September		G
November		
December		

- 4) Number of people were born after H is one more than the number of people were born before A.
- 5) Three people were born between A and B.

	Case 1	Case 2
Month	People	People
January	H	B
March		
May	B	H
June	G	
July		A
September		G
November	A	
December		

6) C was born after A in the month having 31 days.

7) More than three people born between C and D.

8) F was born in the month having 31 days.

Month	People
January	H
March	D
May	B
June	G
July	F
September	E
November	A
December	C

Hence, D was born in March.

2. Ans. C.

- 1) G was born before November in the month having 30 days.
- 2) Two people were born between G and H.
- 3) H was born Before G.

	Case 1	Case 2
Month	People	People
January	H	
March		
May		H
June	G	
July		
September		G
November		
December		

4) Number of people were born after H is one more than the number of people were born before A.



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5) Three people were born between A and B.

	Case 1	Case 2
Month	People	People
January	H	B
March		
May	B	H
June	G	
July		A
September		G
November	A	
December		

6) C was born after A in the month having 31 days.

7) More than three people born between C and D.

8) F was born in the month having 31 days.

Month	People
January	H
March	D
May	B
June	G
July	F
September	E
November	A
December	C

Hence, two people were born between C and F.

3. Ans. A.

1) G was born before November in the month having 30 days.

2) Two people were born between G and H.

3) H was born Before G.

	Case 1	Case 2
Month	People	People
January	H	
March		
May		H
June	G	
July		
September		G
November		
December		

4) Number of people were born after H is one more than the number of people were born before A.

5) Three people were born between A and B.

	Case 1	Case 2
Month	People	People
January	H	B
March		
May	B	H
June	G	
July		A
September		G
November	A	
December		

6) C was born after A in the month having 31 days.

7) More than three people born between C and D.

8) F was born in the month having 31 days.



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Month	People
January	H
March	D
May	B
June	G
July	F
September	E
November	A
December	C

Hence, one person was born after A

4. Ans. B.

1) G was born before November in the month having 30 days.

2) Two people were born between G and H.

3) H was born Before G.

	Case 1	Case 2
Month	People	People
January	H	
March		
May		H
June	G	
July		
September		G
November		
December		

4) Number of people were born after H is one more than the number of people were born before A.

5) Three people were born between A and B.

	Case 1	Case 2
Month	People	People
January	H	B
March		
May	B	H
June	G	
July		A
September		G
November	A	
December		

6) C was born after A in the month having 31 days.

7) More than three people born between C and D.

8) F was born in the month having 31 days.

Month	People
January	H
March	D
May	B
June	G
July	F
September	E
November	A
December	C

Hence, E was born in September

5. Ans. C.

1) G was born before November in the month having 30 days.

2) Two people were born between G and H.

3) H was born Before G.



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	Case 1	Case 2
Month	People	People
January	H	
March		
May		H
June	G	
July		
September		G
November		
December		

- 4) Number of people were born after H is one more than the number of people were born before A.
 5) Three people were born between A and B.

	Case 1	Case 2
Month	People	People
January	H	B
March		
May	B	H
June	G	
July		A
September		G
November	A	
December		

- 6) C was born after A in the month having 31 days.
 7) More than three people born between C and D.
 8) F was born in the month having 31 days.

Month	People
January	H
March	D
May	B
June	G
July	F
September	E
November	A
December	C

Hence, A was born in the month having 30 days.
 6. Ans. B.



MR, AE

7. Ans. C.

4 5 3 9 2 9 2 6 5 7 8 7 8 6 9 3 4 3 5 4
 9 7 4 8 7 3 6 4

Therefore, option C is the correct answer.

8. Ans. B.

4 5 3 9 2 9 2 6 5 7 8 7 8 6 9 3 4 3 5 4
 9 7 4 8 7 3 6 4

Resultant - $8 \div 2 = 4$

Therefore, option B is the correct answer.

9. Ans. C.

4 5 3 9 2 9 2 6 5 **7** 8 **7** 8 6 9 3 4 3 5 4
 9 **7** 4 8 7 3 6 4

Therefore, option C is the correct answer.

10. Ans. D.

4 5 3 9 2 9 2 6 5 7 **8** 7 8 6 9 3 4 3 5 4
 9 7 4 8 7 3 6 4

Therefore, option D is the correct answer.



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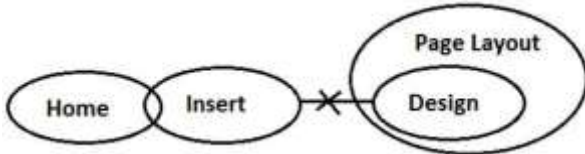
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11. Ans. C.
 4 5 3 9 2 9 2 6 5 7 8 7 8 6 9 3 4 3 5 4
 9 7 4 8 7 3 6 4
 Sixteenth element from right end
 4 5 3 9 2 9 2 6 5 7 8 7 **8 6 9 3 4 3 5 4**
9 7 4 8 7 3 6 4
 eleventh element to the right of the
 sixteenth element from the right end
 4 5 3 9 2 9 2 6 5 7 8 7 8 6 9 3 4 3 5 4
 9 7 4 **8** 7 3 6 4
 Therefore, option C is the correct
 answer.

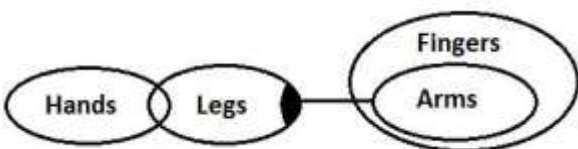
12. Ans. A.



Conclusions:
 I. Some Handkerchiefs are not Curtains – It is true as only a few Handkerchiefs are Sheets and no Sheets are Curtains.
 II. Some Towels are not Sheets – There is no relation between Towels and Sheets hence it is false.
 Hence, only conclusion I follows.
 13. Ans. C.

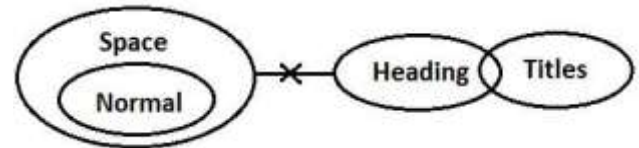


Conclusions:
 I. Some Home are Page Layout – There is no relation between Home and Page Layout hence it is false.
 II. No Home are Page Layout – There is no relation between Home and Page Layout hence it is false.
 Hence, either conclusion I or II follows.
 14. Ans. D.



Conclusions:
 I. Some Hands are not Arms – There is no relation between Hands and Arms hence it is false.
 II. Some Fingers are not Legs – There is no relation between Fingers and Legs hence it is false.
 Hence, neither conclusion I nor II follows.

15. Ans. E.

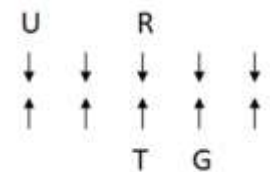


Conclusions:
 I. No Normal are Heading – It is true as all Normal are Space and no Space are Heading.
 II. Some Titles are not Space – It is true as only a few Heading are Titles and no Space are Heading.
 Hence, both conclusions I and II follow.
 16. Ans. B.

- T sits opposite R, who sits in the middle.
- R sits second to the left of U.
- The one, who sits opposite U, sits third to the left of G.

Case 1

Case 2



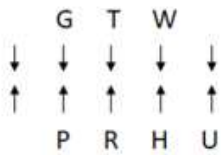
- One person sits between W and G.
- H sits second to the right of P.
- K sits to the left of S, who face the north direction.
 (Here, case 1 will be eliminated and we will continue with the case 2)



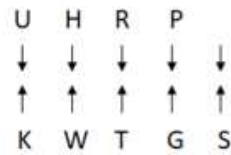
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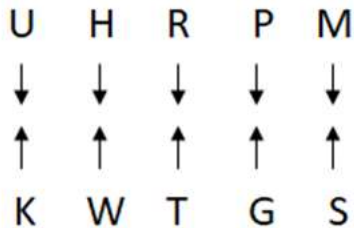
Case 1



Case 2



7. U and M are not neighbors.

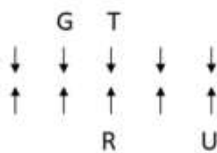


Hence, the required answer is 'S'.

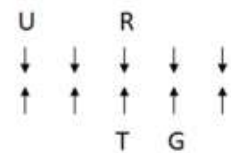
17. Ans. E.

1. T sits opposite R, who sits in the middle.
2. R sits second to the left of U.
3. The one, who sits opposite U, sits third to the left of G.

Case 1

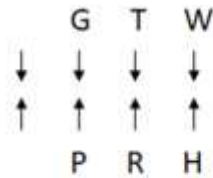


Case 2

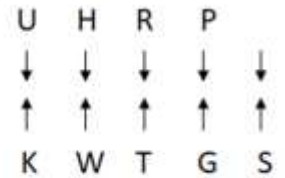


4. One person sits between W and G.
 5. H sits second to the right of P.
 6. K sits to the left of S, who face the north direction.
- (Here, case 1 will be eliminated and we will continue with the case 2)

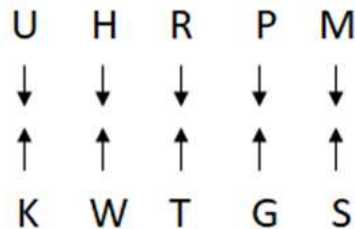
Case 1



Case 2



7. U and M are not neighbors.

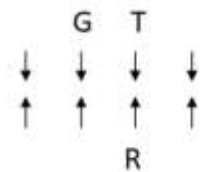


Hence, the required answer is 'None'.

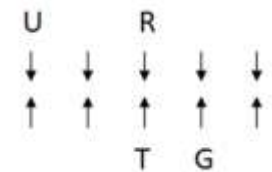
18. Ans. D.

1. T sits opposite R, who sits in the middle.
2. R sits second to the left of U.
3. The one, who sits opposite U, sits third to the left of G.

Case 1

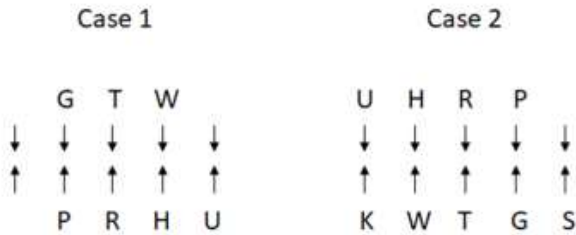


Case 2

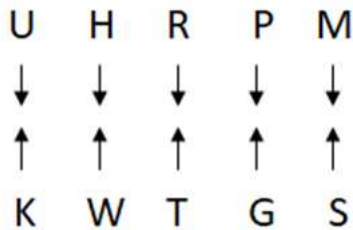


4. One person sits between W and G.
 5. H sits second to the right of P.
 6. K sits to the left of S, who face the north direction.
- (Here, case 1 will be eliminated and we will continue with the case 2)





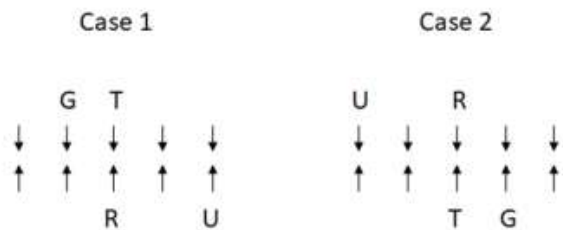
7. U and M are not neighbors.



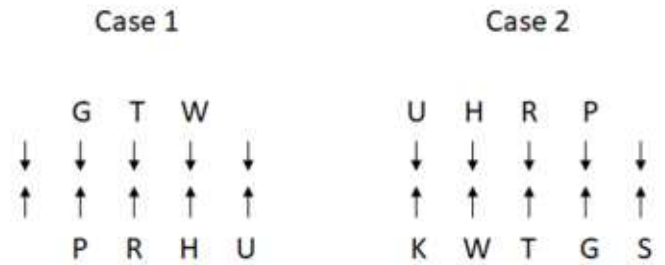
Hence, the required answer is 'H'.

19. Ans. B.

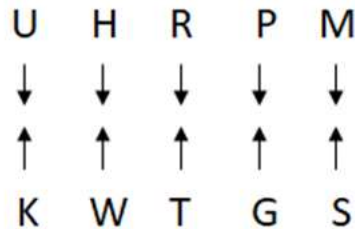
1. T sits opposite R, who sits in the middle.
2. R sits second to the left of U.
3. The one, who sits opposite U, sits third to the left of G.



4. One person sits between W and G.
 5. H sits second to the right of P.
 6. K sits to the left of S, who face the north direction.
- (Here, case 1 will be eliminated and we will continue with the case 2)



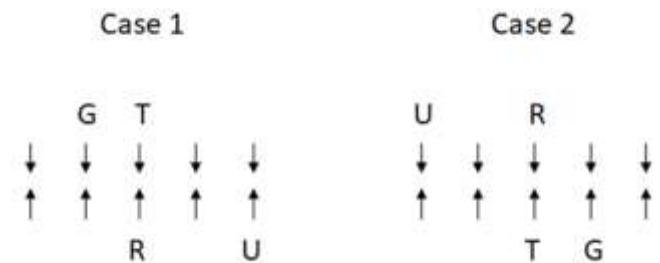
7. U and M are not neighbors.



Hence, the required answer is 'K and M'.

20. Ans. D.

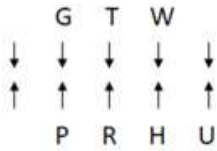
1. T sits opposite R, who sits in the middle.
2. R sits second to the left of U.
3. The one, who sits opposite U, sits third to the left of G.



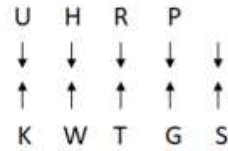
4. One person sits between W and G.
 5. H sits second to the right of P.
 6. K sits to the left of S, who face the north direction.
- (Here, case 1 will be eliminated and we will continue with the case 2)



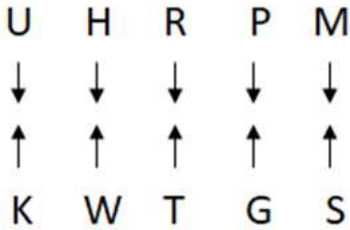
Case 1



Case 2

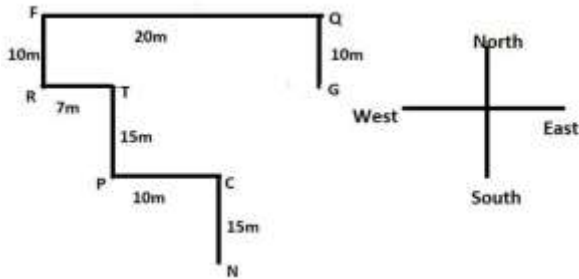


7. U and M are not neighbors.



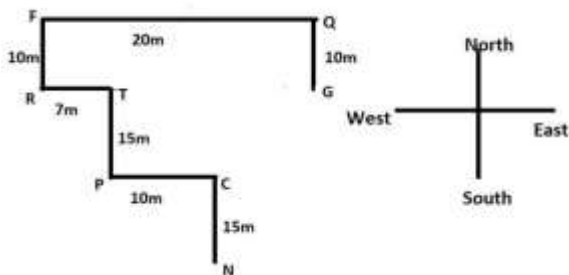
Hence, 'K is the neighbor of the one, who sits opposite H' is correct.

21. Ans. C.



Clearly, the total distance between Point N and Point R is 47m.

22. Ans. D.



Clearly, point T is to the west of point G.

23. Ans. B.

1. Only one person is heavier than H.
2. The second-lightest person is of 56kg.

Increasing Weight ↑

H	
	56kg

3. The weight of the lightest person is a perfect square number.
4. Each one of them is heavier than 40kg.
5. G is heavier than K and lighter than F.
6. F is not the heaviest.

Increasing Weight ↑

J	
H	
F	
G	56kg
K	49kg

7. The difference between the weights of K and H is 13kg.

Increasing Weight ↑

J	
H	62kg
F	
G	56kg
K	49kg

Hence, the weight of F could be 60kg.



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24. Ans. E.

1. Only one person is heavier than H.
2. The second-lightest person is of 56kg.

Increasing Weight ↑

H	
	56kg

3. The weight of the lightest person is a perfect square number.
4. Each one of them is heavier than 40kg.
5. G is heavier than K and lighter than F.
6. F is not the heaviest.

Increasing Weight ↑

J	
H	
F	
G	56kg
K	49kg

7. The difference between the weights of K and H is 13kg.

Increasing Weight ↑

J	
H	62kg
F	
G	56kg
K	49kg

H = 62
 F + H = 121
 F = 121 - 62 = 59kg
 The weight of J = 70kg

Hence, the required answer is 'More than 68kg'.

25. Ans. D.

1. Only one person is heavier than H.
2. The second-lightest person is of 56kg.

Increasing Weight ↑

H	
	56kg

3. The weight of the lightest person is a perfect square number.
4. Each one of them is heavier than 40kg.
5. G is heavier than K and lighter than F.
6. F is not the heaviest.

Increasing Weight ↑

J	
H	
F	
G	56kg
K	49kg

7. The difference between the weights of K and H is 13kg.

Increasing Weight ↑

J	
H	62kg
F	
G	56kg
K	49kg

Hence, the required answer is 'three'.



26. Ans. B.

- 1) G lives on even numbered floor below 6th floor.
- 2) More than three people live above G.

Floor	People
7	
6	
5	
4	
3	
2	G
1	

- 3) Two people live between G and A.
- 4) Three people live between A and E.
- 5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, C lives on the 3rd floor.

27. Ans. C.

- 1) G lives on even numbered floor below 6th floor.
- 2) More than three people live above G.

Floor	People
7	
6	
5	
4	
3	
2	G
1	

- 3) Two people live between G and A.
- 4) Three people live between A and E.
- 5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, B lives on the topmost floor.

28. Ans. C.

- 1) G lives on even numbered floor below 6th floor.
- 2) More than three people live above G.



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Floor	People
7	
6	
5	
4	
3	
2	G
1	

- 3) Two people live between G and A.
- 4) Three people live between A and E.
- 5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

- 6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, one people lives between F and D.

29. Ans. A.

- 1) G lives on even numbered floor below 6th floor.
- 2) More than three people live above G.

Floor	People
7	
6	
5	
4	
3	
2	G
1	

- 3) Two people live between G and A.
- 4) Three people live between A and E.
- 5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

- 6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, two people live below C.

30. Ans. C.

- 1) G lives on even numbered floor below 6th floor.
- 2) More than three people live above G.



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Floor	People
7	
6	
5	
4	
3	
2	G
1	

- 3) Two people live between G and A.
- 4) Three people live between A and E.
- 5) Number of people above G is same as the number of people below F.

Floor	People
7	
6	F
5	A
4	
3	
2	G
1	E

6) B lives three floors above D.

Floor	People
7	B
6	F
5	A
4	D
3	C
2	G
1	E

Clearly, no one lives between F and A.



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