

Quiz Date: 3rd August 2020

Directions (1-5): Study the information carefully and answer the questions given below.

In a family there are eight family members viz. A, B, C, D, E, F, G and H who are somehow related to A. All members are arranged in three categories of distinct height, weight and age.

- D who is son in law of A's wife is heavier than B but D's height and age is lesser than E and B. B is grandfather of H.
- There are two mothers and two fathers in the family and also B is eldest of all.
- E, mother of H and C is taller than both H and C, but E is lighter than both H and C.
- A, D and G do not occupy the same position in any of the three categories.
- B has same rank in any of the two given category.
- A is the heaviest among all and F is the shortest.
- C is one rank below in age than the rank she has in weight. C is the elder and unmarried daughter of A and she is heavier than both her mother and grandmother but she is younger than both G and B.
- G who is female is the second lightest person and shorter than D but immediate younger than B. F is grandson of G and has same rank in all categories.
- Equal numbers of male and female are there in the family. A is elder than E. B is heavier than H. A is second tallest. C is taller than H who is the second shortest.
- H is heavier than C. B is not the father of A. G is taller than C but smaller than D.

Q1. What are relation between A and E's daughter?

- (a) A's mother in law is E's daughter
- (b) A is father of E's daughter
- (c) A is mother of E's daughter
- (d) A is grandfather of E's daughter
- (e) None of these

Q2. Which of the following statement is true as per the passage?

- (a) G is taller than C but lighter than E.
- (b) H is younger than F.
- (c) C is one rank below than E in each category
- (d) Both a) and b)
- (e) None of these

Q3. After 5 years if height of F increase to 50% of its present height then whose place he will take over?

- (a) G
- (b) A
- (c) D
- (d) Cannot be determined
- (e) None of these

Q4. Who among the following has same rank in any of the two category but not all?

- (a) H
- (b) B
- (c) E
- (d) Both a) and c)
- (e) Both a) and b)

Q5. Who among the following is the second heaviest?

- (a) D
- (b) H
- (c) E
- (d) F
- (e) None of these

Direction (6-10): Study the following information carefully and answer the questions given below: In each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and Give answer-

- (a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- (c) If the data either in statement I alone or in statement II alone are sufficient to answer the question
- (d) If the data given in both statements I and II together are not sufficient to answer the question and
- (e) If the data in both statements I and II together are necessary to answer the question.

Q6. Six persons M, N, O, P, Q and R paint their house in different days from Monday to Saturday of the same week but not necessarily in the same order. Who among the following paint his house on Wednesday?

Statements:

- I.** Only one person paint his house after N. Two days gap between when M and Q paint their house.
- II.** P paint his house after N. O paint his house before the day Q paints. At least one day gap between the days when M and R paints.

L1Difficulty 3

QTags DATA sufficiency Reasoning

Q7. Seven persons i.e. A, B, C, D, E, F, and G are sitting in a row facing north but not necessarily in the same order. Who among the following sits 2nd to the right of F?

Statements:

- I.** A sits one of the extreme ends of the row. Three persons sit between A and G.
- II.** D sits immediate left of G. Two persons sit between C and F. E doesn't sit at any of the extreme end.

L1Difficulty 3

QTags DATA sufficiency Reasoning

Q8. Five friends F, G, H, K and L like different colors viz. White, Red, Purple, Black and Pink but not necessarily in the same order. Find who among the following likes Purple color?

Statements:

- I.** Among G, H and K no one like Red. G neither like Pink nor Black.
- II.** H is neither like Pink nor Purple. K does not like Purple.

L1Difficulty 3

QTags DATA sufficiency Reasoning

Q9. In a certain code language How the word "Letter" is coded?

Statements:

I. "marriage letter from court" is coded as "sd fr gr da" and "receive joining letter from" is coded as "cg nb fr gr"

II. "message receive by court" is coded as "tj pl da cg" and "working from home" is coded as "qs sw gr"

L1Difficulty 3

QTags DATA sufficiency Reasoning

Q10. Six friends P, Q, R, S, T, and U are sitting in row according to their age in descending order from left to right but not necessarily in the same order. Find who among the following is 2nd youngest?

Statements:

I. At least two people are older than T. Q is older than U but younger than P.

II. S is older than P but younger than R. P is younger than T.

L1Difficulty 3

QTags DATA sufficiency Reasoning

Direction (11-13): In the following questions, the symbols #, %, @ and * are used with the following meanings as illustrated below. Study the following information and answer the given questions:

Note: The directions which are given indicated exact directions.

P#Q - Q is in the south direction of P at distance of 5m.

P%Q - Q is in the north direction of P at distance of 4m

P@Q - Q is in the east direction of P at distance of 3m

P*Q - Q is in the west direction of P at distance of 6m.

P#*Q - Q is in the southwest direction of P.

P%@Q - Q is in the northeast direction of P.

Q11. If F@C#B*D#E is true, then find the shortest distance between E and F?

(a) $2\sqrt{10}$ m

(b) $\sqrt{103}$ m

(c) $5\sqrt{5}$ m

(d) $\sqrt{109}$ m

(e) None of these

Q12. If K*L%M@N is true, then find the shortest distance between N and K?

(a) 8m

(b) 5m

(c) $\sqrt{14}$ m

(d) $3\sqrt{2}$ m

(e) None of these

Q13. C%@H%J@R, then R is in which direction with respect to C?

(a) Northeast

(b) North

(c) Southwest

(d) Southeast

(e) None of these

Directions (14-15): Study the following information carefully and answer the questions given below:

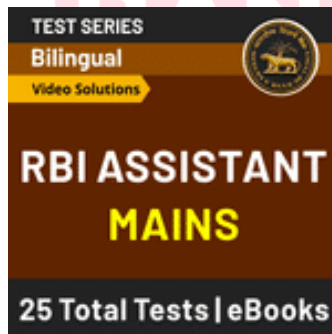
- (i) 'M + N' means 'M is father of N'
- (ii) 'M - N' means 'M is mother of N'
- (iii) 'M × N' means 'M is brother of N'
- (iv) 'M ÷ N' means 'M is sister of N'

Q14. Which of the following means 'A is grandmother of F'?

- (a) $B + J - F + A$
- (b) $A \times B - J + F$
- (c) $B \times A \times T - F$
- (d) $A - B \times T + F$
- (e) None of these

Q15. How is D related to C is the expression 'S + G × D ÷ R × B - C'?

- (a) Son
- (b) Daughter
- (c) Son or daughter
- (d) Aunt
- (e) Sister



Solutions

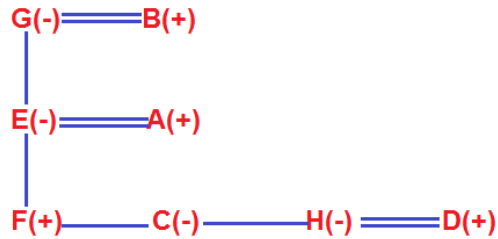
Solutions (1-5):

Sol.

Height: $B > A > E > D > G > C > H > F$

Weight: $A > D > B > H > C > E > G > F$

Age: $B > G > A > E > D > C > H > F$



S1. Ans. (b)

S2. Ans. (a)

S3. Ans. (d)

S4. Ans. (e)

S5. Ans. (a)

Solutions (6-10):

S6. Ans. (e)

Sol. By combining the both we get R paint his house on Wednesday.

Days	Persons
Monday	M
Tuesday	O
Wednesday	R
Thursday	Q
Friday	N
Saturday	P

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S7. Ans. (d)

Sol. Even by combining the both I. and II. we can't get who sits 2nd to the right of F.

S8. Ans. (d)

Sol. Even by combining the both I. and II. we can't get the answer.

S9. Ans. (e)

Sol. By combining the both I. and II. we get "fr" is coded as "Letter".

S10. Ans. (e)

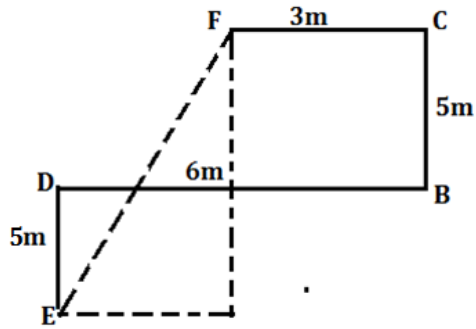
Sol. From both I. and II. Q is the 2nd youngest among all.

R > S > T > P > Q > U

Solutions (11-13):

S11. Ans. (d)

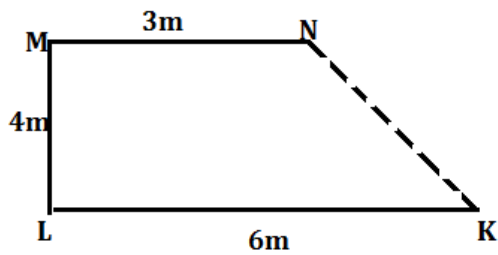
Sol.



$EF = \sqrt{3^2 + 10^2} = \sqrt{109}m$

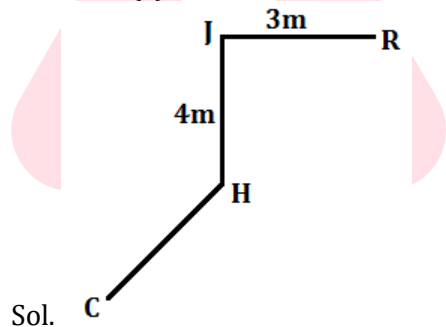
S12. Ans. (b)

Sol.



$NK = \sqrt{3^2 + 4^2} = 5m$

S13. Ans. (a)

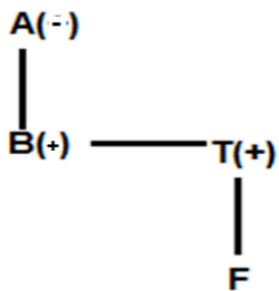


Sol.



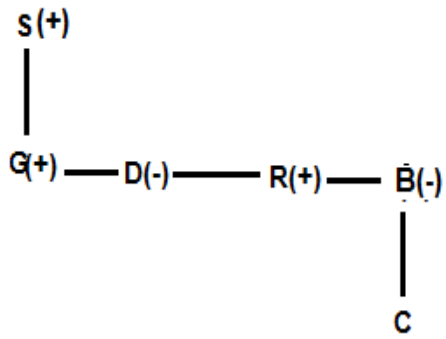
Solutions (14-15):

S14. Ans. (d)



Sol.

S15. Ans. (d)



Sol.

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