Career Launcher

Reasoning - 10

Puzzles, Data Arrangement

Answer the questions on the basis of the information given below.

Eight people – Mark, Kozelek, Nick, Drake, Bob, Dylan, Vashti and Bunyan – live in a building that has five floors numbered 1 to 5 (lowest to highest). Each floor is occupied by at least one of the eight people. The total number of people who live on the floor(s) above Bob's floor is twice the number of people who live on the floor(s) below his. There are exactly three floors for which the number of occupants is the same. It is also known that:

(i) Both Dylan and Drake live on the floor that is immediately above the floor on which Vashti lives.

(ii) The number of occupants of floor 5 is different from that of floor 3.

(iii) No one among Mark, Nick and Bunyan lives on floor 2.

(iv) Floor 2 and floor 4 have the same number of occupants.

(v) The floor on which Nick lives has just one occupant.

Direction for questions 1 to 3

Who among the following definitely occupies a floor above Bob's?

(a) Mark

(b) Nick

(c) Bunyan

(d) None of these

What is the absolute difference between the number of people who live on floor 5 and floor 4?

(a) 0

(b) 1

(c) 2

(d) Either (a) or (c)

Which of the following statements is definitely true?

(a) The number of people who live below Mark's floor is 2.

(b) The number of people who live between Nick's and Mark's floor is 4.

(c) The number of people who live between Dylan's and Bunyan's floor is 1.

(d) The number of people who live between Mark's and Bunyan's floor is 1.

Answer the question on the basis of the information given below:

Four people Akhil, Binay, Chintan and Dhruv are driving their cars in the same lane and are struck in a traffic jam. The four cars are Alto, Jeep, Nano and Santro in no particular order. Each car has a distinct color among yellow, red, blue and white.

The yellow car is immediately ahead of the one that Binay is driving. The last car among the four is neither the Santro nor white. Chintan is driving either the Jeep or the Nano and is ahead of the other three. Dhruv is not driving the red car and is ahead of Akhil who is driving the Santro.

Who is driving the last car?

(a) Akhil
(b) Binay
(c) Dhruv
(d) Either (a) or (b)

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Which of the following statements is/are required to correctly identify the brand and the colour of the car driven by each of the four people?

I. Binay is driving a blue Alto.

II. Alto is blue and is ahead of the Jeep.

III. Nano is not white.

(a) I alone
(b) II alone
(c) I and III together
(d) Either (b) or (c)

Answer the question on the basis of the information given below.

A family consists of seven members A, B, C, D, E, F and G. There are two married couples, three unmarried members and five working professionals. A is a doctor and earns less than his/her spouse. C's granddaughter D is a medical student. E is the mother of her only daughter F, who is a teacher and doesn't earn the least. G is a businessman and has two daughters. The lawyer earns more than his/her daughter. The engineer earns more than his/her mother.

Who earns the least in the family?

(a) A

(b) B

(c) C

(d) E

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Which of the following is definitely true?

(a) The lawyer earns the most

(b) The businessman earns the most

(c) E is a working professional

(d) B is the engineer

Answer the questions on the basis of the information given below:

Three couples, Mr. and Mrs. Kalra, Mr. and Mrs. Gupta and Mr. and Mrs. Tyagi, at a party, play a game which requires only two persons at a time.

Mr. Kalra plays against Mrs. Tyagi, Mr. Gupta plays against Mrs. Kalra and the remaining two players played the third game. The final score table of each match reads 'a-b', where a and b represents the points scored by the winner and the loser respectively (a and b may vary for different matches). When all the matches were finished, Mrs. Kalra left the room. Further information is given below.

(i) Mr. Kalra noticed that all the people present in the room had scored a distinct number of points, whereas his wife scored the same number of points as he did.

(ii) Each of the two ladies present in the room scored exactly 2 points more than her husband.

(iii) Nobody scored more than five or less than one point. Mrs. Kalra won by a prime number of points.

Direction for questions 8 and 9

What is the total number of points scored by the Gupta couple?

(a) 4

(b) 6

(c) 8

(d) 9

Who scored the minimum number of points?

(a) Mr. Tyagi

(b) Mr. Gupta

(c) Mr. Kalra

(d) Cannot be determined

Answer the question on the basis of the information given below.

In a company, there is a weekly off from work on every Sunday. So a week is said to start on Monday and end on Saturday. Each of the seven employees – Puneet, Salim, Vikrant, Sajid, Hasan, Govind and Pawan – took a day off from work during the month of August. The dates on which the offs were taken were 2^{nd}, 7^{th}, 12^{th}, 18^{th}, 20^{th}, 25^{th} and 31^{st}, not necessarily in the same order. Further information is given below:

(i) Vikrant took the day off before Puneet but after Pawan.

(ii) Sajid and Salim took the day off on the same day of two different weeks.

(iii) Hasan took the day off on a Saturday.

(iv) Puneet and Salim took the day off in the same week.

On which date did Hasan take the day off?

(a) 2^{nd} (b) 7^{th}

(c) 12^{th} (d) 10^{th}

Question – 10

Answer the question on the basis of the information given below.

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(iii) Hasan took the day off on a Saturday.

(iv) Puneet and Salim took the day off in the same week.

What was the day on which Govind took the day off?

(a) Friday (b) Thursday

(c) Wednesday (d) Tuesday

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How many of the mentioned employees took the day off between Puneet and Hasan?

(a) 0 (b) 2

(c) 3 (4) 4

Question – 12

Answer the questions on the basis of the information given below.

Recently, Jaidev and three fellow workers challenged one another to follow a strict diet for a month. Each of these employees has a different job; one of them being a sales representative. Each person is of different age (only one of their ages is an odd number year) but all are in their thirties. At the start of the month, the lightest person weighed 150 pounds. By the end of the month, all reported weight losses.

A. The oldest dieter, who is not the typist, is three years older than the dieter who initially weighed 180 pounds and who is not Devika.

B. The thirty-two year old is not the youngest dieter.

C. Devika cheated a little on her diet but still lost fourteen pounds, while the clerk, who is not Meena, lost only twelve pounds, still another dieter lost sixteen pounds.

D. At the end of the diet period, the accountant weighed one pound less than Abhay and was the most successful dieter, with a 10 per cent weight loss.

E. The youngest dieter, who weighed 170 pounds before dieting, is seven years younger than the dieter who lost only five pounds. A dieter who has the maximum weight loss (in percentage terms) is known as the most successful dieter.

Direction for questions 13 to 17

Who among the following is the youngest dieter?

(a) Abhay

(b) Jaidev

(c) Meena

(d) Devika

Who is the most successful dieter of all?

(a) Abhay

(b) Jaidev

(c) Meena

(d) Devika

What is Abhay working as?

(a) Clerk

(b) Typist

(c) Sales representative

(d) Accountant

Who among the following is the oldest dieter of all?

(a) Jaidev

(b) Abhay

(c) Meena

(d) Devika

Which of the following statements is true?

(a) Abhay, a sales representative lost 10 pounds.

(b) Jaidev, an accountant, registered the maximum weight loss.

(c) Devika, working as a typist, lost 14 pounds at the end of the month.

(d) Meena is thirty-four years old.

Answer the questions on the basis of the information given below.

At a marketing campaign, a pair of shoes is gifted to each of the six people – A, B, C, D, E and F – by a shoe manufacturing company. The shoe sizes of these six people are 6, 7, 8, 9, 10 and 11 respectively. A person can be gifted a pair whose size is in the range +1/ –1 of his shoe size. It was found that three people got pairs of one size, two others got pairs of a different size and the remaining person got a pair of a third size. The average of the shoe sizes of the six people is 0.33 more than the average of the size of the six pairs gifted to them.

Direction for question 18 to 20

Which of the following persons was definitely not gifted the pair with a size different from the rest of the pairs of shoes that were gifted?

(a) A

(b) B

(c) C

(d) D

For which of the following persons can the size of the pair of shoes gifted to him be determined?

(a) A

(b) B

(c) E

(d) F

Which of the following additional statements are required to correctly identify the size of the pairs of shoes gifted to each of the six people?

I. A is gifted a pair of size 6.

II. B is gifted a pair of size 8.

III. C is gifted a pair of size 7.

(a) II only

(b) I and II together

(c) II and III together

(d) Either II only or I and III together

Answer the questions on the basis of the information given below.

Six people — P, Q, R, S, T and U — are husband, son, sister, daughter, mother and aunt of A, not necessarily in that order. They satisfy the following conditions:

I. R and S are either both male or both female.

II. Either P or Q, or both are male.

III. Either T or U, or both are female.

IV. No marriage took place between the blood relatives.

Direction for question 21 to 24

Any of the following could be A's son except

(a) P (b) Q (c) S (d) T

Which of the following statements must be false?

(a) P is S's grandson.

(b) S is P's niece.

(c) P is Q's nephew.

(d) U is T's son.

If Q is U's daughter, which of the following statements could be true?

(a) P is A's sister (b) U is R's aunt (c) T is S's nephew (d) Q is S's niece

If P is T’s sister, U could be any of the following except

(a) A’s sister (b) A’s daughter (c) A’s aunt (d) A’s husband

Answer the questions on the basis of the information given below.

There are two unrelated families A and B such that number of sibling sisters in the families A and B is 4 and 3 respectively. Family B has twin baby girls. Radha is 5 years older than the twins. Rita, who is one of the twins, is 8 years old and is not a sister of Kaya. Kaya is 4 years younger than Radha. Maya is 3 years younger than her sister Shreya but 2 years older than Farah. Reena is 7 years old. Assume that all the mentioned girls belong to either of the two mentioned families.

Direction for question 25 and 26

If Radha is the eldest among all the mentioned 7 girls, then the age (in years) of Farah could be

(a) 6 (b) 5 (c) 4 (d) 7

If Reena belongs to family B, then the age (in years) of Shreya is

(a) 8 (b) 10 (c) 5 (d) 13

Answer the questions on the basis of the information given below.

At a Railway station, P family is saying goodbye to R family. We do not know who is leaving and who is seeing the other family off. Each member of P family says farewell to each member of R family. To say goodbye, two men shake hands. A man and woman or two women kiss once on the cheek. An eyewitness to the event counted 21 handshakes and 34 kisses.

Direction for question 27 and 28

How many men were there?

(a) 10 (b) 6 (c) 22 (d) Either (a) or (c)

How many women were there?

(a) 13 (b) 6 (c) 34 (d) Either (b) or (c)

Answer the questions on the basis of the information given below.

There are two consecutive natural numbers whose product is equal to the product of three consecutive natural numbers.

Direction for question 29 and 30

How many such pairs of natural numbers are possible?

(a) 1 (b) 2 (c) 3 (d) More than 3

What is the product?

(a) 6 (b) 210 (c) Either (a) or (b) (d) 110