Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

1. In a certain code 'MISSIONS' is written as 'MSIISNOS'. How is 'ONLINE' written in that code?

1. OLNNIE2. ONILEN3. NOILEN4. LNOENI5. ONNLIE

Sol: Option 1

Explanation: First and last letter remain same. The others interchange their positions in pair of two. So, NL become LN IN become NI so code of ONLINE will be OLNNIE

2. In certain code 'TIGER' is written as 'QDFHS'. How is 'FISH' written in that code?

1. GERH2. GRHE3. GREH4. GHRE5. GEHR

Sol: Option 2

Explanation: Reverse the word and move each letter –1. Reverse of FISH is HSIF subtract 1 from each letter of HSIF. So code of FISH become GRHE.

3. In certain code 'FROZEN' is written as 'OFAPSG'. Then how would 'MOLTEN' be written in that code?

1. OFPOMN2. OFSMPN3. OFUMPN4. OFUNPM5. OFUMON

Sol: Option 3

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Explanation: Reverse the word and move each letter +1. Reverse of MOLTEN is NETLOM add 1 to each letter of NETLOM. So code of MOLTEN become OFUMPN.

4. In a certain code 'ROAR' is written as 'URDU'. How is 'URDU' written in that code?

1. V X D Q2. XUGX3. ROAR4. VSOV5. V Z C P

Sol: Option 2

Explanation: Each letter moves +3. Add 3 to each letter of URDU,so code of URDU will be XUGX

5. In a certain code 'LIMCA' is written as 'HJLDZ'. Which of the following words is written as 'IFWJBP'?

1. M E X I C O2. MERCURY3. JAPAN4. MIDNIGHT5. H O N D U S

Sol: Option 1

Explanation: Each letter moves +1, -1, ...alternately except for L, which is –4. We have to find the word for the code IFWJBP. Add 4 to I then -1, +1 alternately to the remaining letters. The word will be MEXICO.

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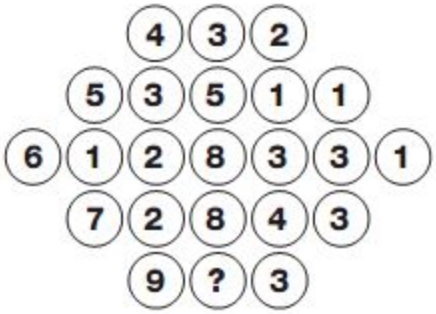
6.

What number comes inside the circle?

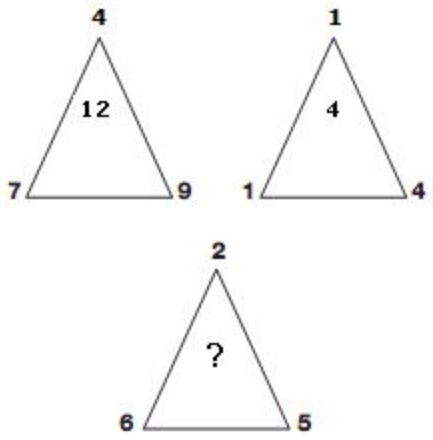


Answer: 6

Explanation: Looking at the diagram in rows, the central circle equals half the sum of the numbers in the other circles to the left and right of the centre.

7.

Which number replaces the question mark?



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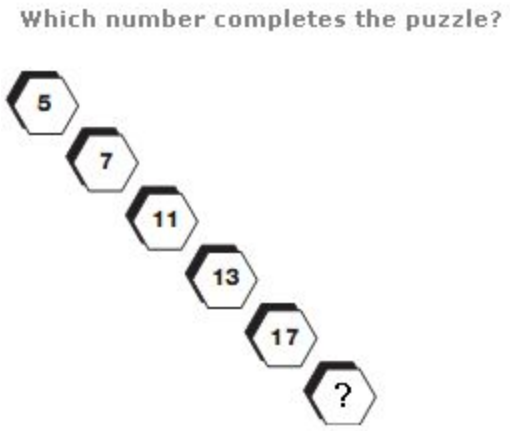
Answer: 9

Explanation: The number at the centre of each triangle equals the sum of the lower two numbers minus the top number.

8.



Answer: 19

Explanation: As you move diagonally down, numbers follow the sequence of Prime Numbers.

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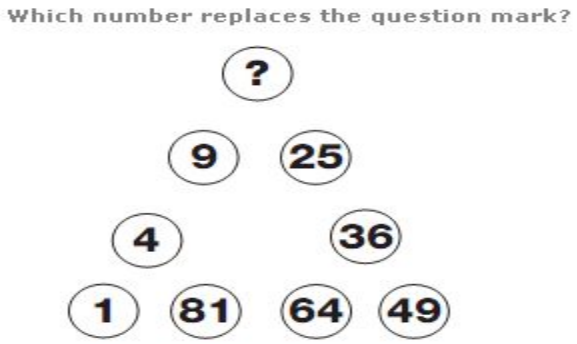
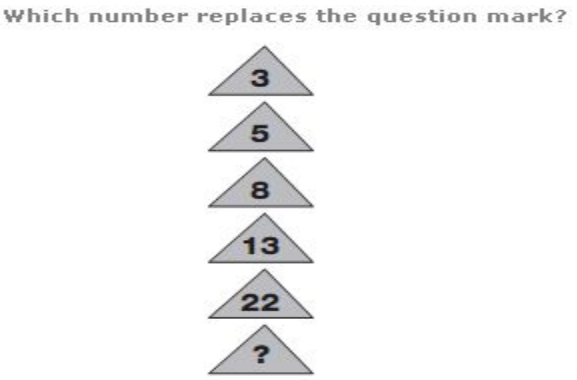
9.



Answer: 16

Explanation: Starting bottom left and moving clockwise around the triangle, numbers follow the sequence of Square Numbers.

10.



Answer: 39

Explanation: Working from top to bottom, double each number and subtract 1, then 2, then 3 etc.

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

11. If heater D is used on the third day and different heaters are used on first and fourth day, which heater is used on the first day?

- A
- B
- C
- D

Answer: C

Explanation: If heater D is used on the third day, heater B has to be used on the fourth day and A has to be used on the second day. But if A is used on second day, then either B or C has to be used on the first day. But if heater B is used on the first day, then according to the question, the requirement of having different heaters on the first day and fourth days would not be fulfilled. Hence the heater that would be used on the first day is C.

12. In how many ways can a person use all the four heaters in a four-day period?

- 4
- 8
- 16
- 20

Answer: 4

Explanation: Only ways in which a person can use all the four heaters in a four day period is by the order ADBC. Hence, in total there are four possible permutations of the same.

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

Paragraph:

Read the following data and answer the questions that follow:

Five museum tours - P, Q, R, S and T - each are conducted once a day. All tours begin and end in the lobby of the museum.

The five tours depart in ten- minute intervals of one another and arrive in ten-minutes intervals of one another.

Tour P departs before any other tour, and Tour P arrives before any other tour.

Tour Q departs either ten minutes before Tour R or ten minutes after Tour R.

Tour Q arrives at least twenty minutes before Tour R.

Tour S arrives after Tour Q, and Tour S departs at least ten minutes before at least two other tours, one of which is Tour T.

Tour R is the last tour to arrive, but Tour R is not the last tour to depart.

13. If Tour Q departs third and arrives second , which of the following must be true with respect to the elapsed time of the following tours?

I. Tour S is as long as another tour.

II. Tour P is shorter than exactly two other tours.

III. Tour T is as short as any other tour.

- II only
- I and II only
- I and III only
- I, II and III only

Answer: I, II and III only

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

Explanation: If Tour Q departs third, only one possible departure sequence results, and if Tour Q arrives second, two possible arrival sequence result:

Departure Sequence: PSQRT

Arrival Sequence 1: PQTSR

Arrival Sequence 2: PQSTR

14. Which of the following statements provide sufficient information to determine the exact order of departure and order of arrival with respect to all five tours?

I. Tour P departs thirty minutes before Tour R and arrives forty minutes before Tour C.

II. Tour Q departs ten minutes before Tour T and arrives ten minutes before Tour E.

III. Tour R departs twenty minutes before Tour T and arrives twenty minutes after Tour E.

- I only
- II only
- I and III only
- II and III only

Answer: II and III only

Explanation: Considering statement (a)., exactly two tours must depart after. Tour P but before Tour R, and so the departure sequence may be either PSTQR or PSQRT. Although three tours must arrive between Tour P and Tour R, three possible arrival sequence remain, depending on where Tour T fits into the sequence remain, depending on where Tour T fits into the sequence. Considering statement (b). Tour Q must depart immediately after Tour R, with tour T departing last and immediately between Tour Q and Tour S, resulting in only one possible arrival sequence- PSRQT. Similarly, Tour T must arrive third, and Tour R must arrive fifth, resulting in one possible arrival sequence - PQTSR.

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15. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?

- A
- X
- S
- Z

Answer: X

Explanation: The seating arrangement is as follows:

Therefore, right of P is X.

16. 1. 3, 5, 11, 14, 17, 21

A. 21

B. 17

C. 14

D. 3

Answer: C

Explanation: Each of the numbers except 14 is an odd number.

The number '14' is the only EVEN number.

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

17. 8, 27, 64, 100, 125, 216, 343

A. 27

B. 100

C. 125

D. 343

Answer: B

Explanation: The pattern is 23, 33, 43, 53, 63, 73. But, 100 is not a perfect cube.

18. 10, 25, 45, 54, 60, 75, 80

A. 10

B. 45

C. 54

D. 75

Answer: C

Explanation: Each of the numbers except 54 is multiple of 5.

19. 396, 462, 572, 427, 671, 264

A. 396

B. 427

C. 671

D. 264

Answer: B

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

Explanation: In each number except 427, the middle digit is the sum of other two.

20. 5. 6, 9, 15, 21, 24, 28, 30

A. 28

B. 21

C. 24

D. 30

Answer: A

Explanation: Each of the numbers except 28, is a multiple of 3.

Paragraph

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.

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

21. In which year was Rahul born ?

Statements:

Rahul at present is 25 years younger to his mother.

Rahul's brother, who was born in 1964, is 35 years younger to his mother.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: E

Explanation: From both I and II, we find that Rahul is (35 - 25) = 10 years older than his brother, who was born in 1964. So, Rahul was born in 1954.

22. What will be the total weight of 10 poles, each of the same weight ?

Statements:

One-fourth of the weight of each pole is 5 kg.

The total weight of three poles is 20 kilograms more than the total weight of two poles.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

Answer: C

Explanation: From I, we conclude that weight of each pole = (4x5) kg = 20 kg.

So, total weight of 10 poles = (20 x 10) kg = 200 kg.

From II, we conclude that:

Weight of each pole = (weight of 3 poles) - (weight of 2 poles) = 20 kg.

So, total weight of 10 pojes = (20 x 10) kg = 200 kg.

23. How many children does M have ?

Statements:

H is the only daughter of X who is wife of M.

K and J are brothers of M.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: D

Explanation: From I, we conclude that H is the only daughter of M. But this does not indicate that M has no son. The information given in II is immaterial.

24. How much was the total sale of the company ?

Statements:

The company sold 8000 units of product A each costing Rs. 25.

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

This company has no other product line.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: E

Explanation: From I, total sale of product A = Rs. (8000 x 25) = Rs. 200000.

From II, we know that the company deals only in product A.

This implies that sale of product A is the total sale of the company, which is Rs. 200000.

25. The last Sunday of March, 2006 fell on which date ?

Statements:

The first Sunday of that month fell on 5th.

The last day of that month was Friday.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: C

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

Explanation: From I, we conclude that 5th, 12th, 19th and 26th of March, 2006 were Sundays.

So, the last Sunday fell on 26th.

From II, we conclude that 31st March, 2006 was Friday. Thus, 26th March, 2006 was the last Sunday of the month.

26. One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?

A. East

B. West

C. North

D. South

Answer: C

Explanation:

27. Y is in the East of X which is in the North of Z. If P is in the South of Z, then in which direction of Y, is P?

A. North

B. South

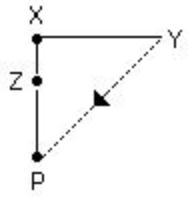
C. South-East

Sample Wipro Elite NLTH Reasoning Questions With Answers, With Solutions

D. None of these

Answer: D

Explanation:



28. If South-East becomes North, North-East becomes West and so on. What will West become?

A. North-East

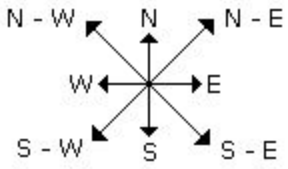
B. North-West

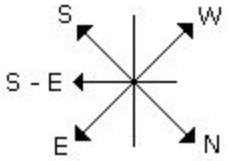
C. South-East

D. South-West

Answer: C

Explanation:





29. A man walks 5 km toward south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?

A. West

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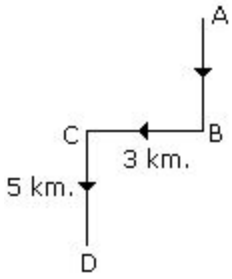
B. South

C. North-East

D. South-West

Answer: D

Explanation:



30. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

A. South-East

B. South

C. North

D. West

Answer: D

Explanation:

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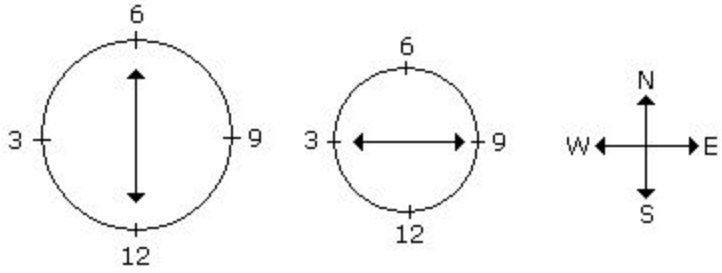

31. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

A. Brother

B. Uncle

C. Cousin

D. Father

Answer: D

Explanation: The boy in the photograph is the only son of the son of Suresh's mother i.e., the son of Suresh. Hence, Suresh is the father of boy

32. If A + B means A is the mother of B; A - B means A is the brother B; A % B means A is the father of B and A x B means A is the sister of B, which of the following shows that P is the maternal uncle of Q?

A. Q - N + M x P

B. P + S x N - Q

C. P - M + N x Q

D. Q - S % P

Answer: C

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Explanation: P - M → P is the brother of M

M + N → M is the mother of N

N x Q → N is the sister of Q

Therefore, P is the maternal uncle of Q.

33. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

A. Brother

B. Sister

C. Nephew

D. Cannot be determined

Answer: D

Explanation: If D is Male, the answer is Nephew.

If D is Female, the answer is Niece.

As the sex of D is not known, hence, the relation between D and A cannot be determined.

Note: Niece - A daughter of one's brother or sister, or of one's brother-in-law or sister-in-law. Nephew - A son of one's brother or sister, or of one's brother-in-law or sister-in-law.

34. If A + B means A is the brother of B; A - B means A is the sister of B and A x B means A is the father of B. Which of the following means that C is the son of M?

A. M - N x C + F

B. F - C + N x M

C. N + M - F x C

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D. M x N - C + F

Answer: D

Explanation: M x N → M is the father of N

N - C → N is the sister of C

and C + F → C is the brother of F.

Hence, M is the father of C or C is the son of M.

35. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

A. Brother

B. Nephew

C. Uncle

D. Son-in-law

Answer: A

Explanation: The father of the boy's uncle → the grandfather of the boy and daughter of the grandfather → sister of father.

36. Violating an Apartment Lease occurs when a tenant does something prohibited by the legally binding document that he or she has signed with a landlord. Which situation below is the best example of Violating an Apartment Lease?

A. Tim has decided to move to another city, so he calls his landlord to tell him that he is not interested in renewing his lease when it expires next month.

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B. Valerie recently lost her job and, for the last three months, has neglected to pay her landlord the monthly rent they agreed upon in writing when she moved into her apartment eight months ago.

C. Mark writes a letter to his landlord that lists numerous complaints about the apartment he has agreed to rent for two years.

D. Leslie thinks that her landlord is neglecting the building in which she rents an apartment. She calls her attorney to ask for advice.

Answer: B

37. Posthumous Publication occurs when a book is published after the author's death. Which situation below is the best example of Posthumous Publication?

A. Richard's illness took his life before he was able to enjoy the amazing early reviews of his novel.

B. Melissa's publisher cancels her book contract after she fails to deliver the manuscript on time.

C. Clarence never thought he'd live to see the third book in his trilogy published.

D. Elizabeth is honored with a prestigious literary award for her writing career and her daughter accepts the award on behalf of her deceased mother.

Answer: A

38. A Guarantee is a promise or assurance that attests to the quality of a product that is either (1) given in writing by the manufacturer or (2) given verbally by the person selling the product. Which situation below is the best example of a Guarantee?

A. Melissa purchases a DVD player with the highest consumer ratings in its category.

B. The salesperson advises Curt to be sure that he buys an air conditioner with a guarantee.

C. The local auto body shop specializes in refurbishing and selling used cars.

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D. Lori buys a used digital camera from her coworker who says that she will refund Lori's money if the camera's performance is not of the highest quality.

Answer: D

39. A Tiebreaker is an additional contest or period of play designed to establish a winner among tied contestants. Which situation below is the best example of a Tiebreaker?

A. At halftime, the score is tied at 28.

B. Mary and Megan have each scored three goals in the game.

C. The referee tosses a coin to decide which team will have possession of the ball first.

D. The Sharks and the Bears each finished with 14 points, and they are now battling it out in a five-minute overtime

Answer: D

40. In the Maple Hill school district, a Five-Day Suspension occurs when a student is not permitted to attend school for five days for (1) physically assaulting another student, a teacher, or a school employee or (2) willfully destructing or defacing school property. Which situation below is the best example of a Five-Day Suspension?

A. Lillian gets caught cheating on a math test for the second time and is suspended from school.

B. Marc is asked to leave the classroom due to his constant disruptions.

C. Franny uses spray paint to write derogatory comments on the locker room wall and she is given a suspension.

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D. Ms. Farmer tells her class that students who fail the midterm exam will be expected to stay after school for tutoring help.

Answer: C