

International Olympiad Foundation (IOF)
(IOLYMPIADS LLP)

Certifying Talents Across World



Question Paper &
Answer Sheet

CLASS - 4

 **IFRAO**
International Foundation
Reasoning & Aptitude
Olympiad

International Foundation
Reasoning & Aptitude Olympiad(IFRAO)
CLASS - 4
QUESTION PAPER – 2021

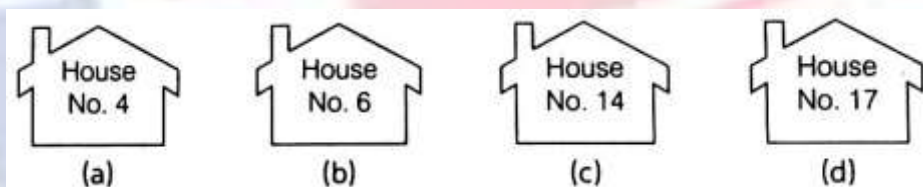
SECTION-A
Verbal Reasoning

1. Which group of letters from the given alternatives will replace the question mark following the pattern that first pair follows?

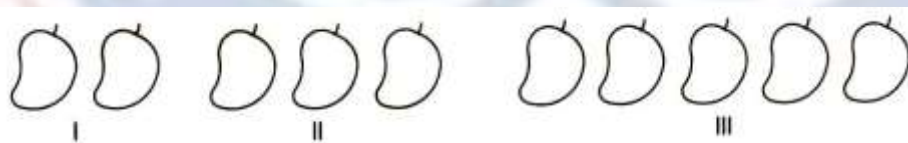
XTV : UQS :: PMQ : ?

- (A) JKM (B) NMJ
(C) MJN (D) LMO
2. Exercise is related to Gym as eating is related to
- (A) Drinking (B) Dieting
(C) Fitness (D) Restaurant

3. Which house number is different from others?

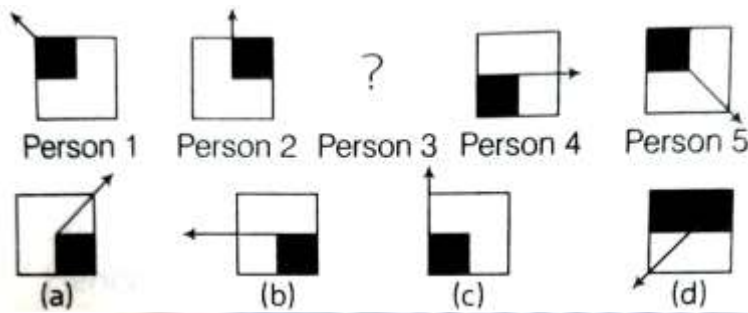


4. Observe the pattern in first three figures and calculate the number of mangoes in the fifth pattern.



- (A) 12 (B) 11
(C) 10 (D) 15
5. In a certain code language, MANGO is coded as NBOHP, then how will the word SHAPE be coded in the same language?
- (A) TIBQF (B) EPASH
(C) APESH (D) FTIQB

6. Identify the pattern and choose the correct position of the block with the 3rd person.



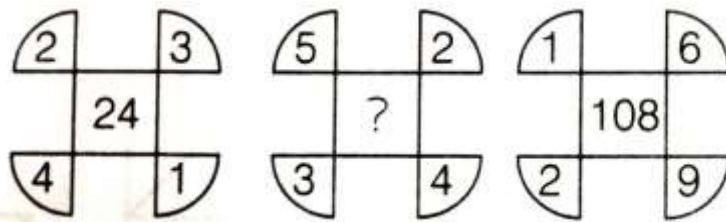
7. If Lucknow is called Patna, Patna is called Kolkata, Kolkata is called Gandhinagar then which is the capital of Bihar?
- (A) Lucknow (B) Patna
(C) Gandhinagar (D) Kolkata

Instructions (Q8-Q9) Answer the questions based on the series of letters given below.

UEILCFPAKMBGDOHQJRNSVXZTYW

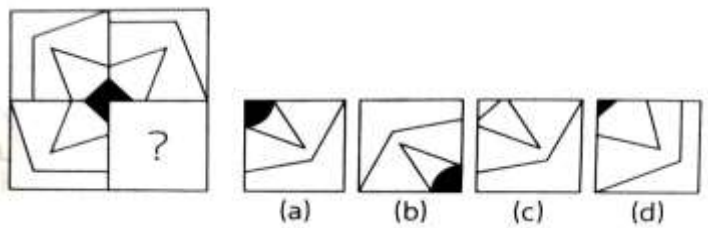
8. How many meaningful words can be formed with thirteenth, fourteenth, second and nineteenth letters of the given series?
- (A) One (B) Two
(C) Four (D) Three
9. The number of words which can be formed with second, eighth, eighteenth and twenty fourth letters in the given series, is
- (A) One (B) Two
(C) Three (D) None
10. Sheena is taller than Nani and shorter than Lim only, Nani is not the shortest. Lim is taller than Kian. Who is the shortest?
- (A) Kian (B) Nani
(C) Sheena (D) Lim
11. There are four roads I have come from south and want to go to city B. The road to the right goes to city D and road to the left goes to city B while straight road goes to city M. In which direction, is the city B?
- (A) North (B) East
(C) West (D) South

12. Ryan has drawn a certain pattern in which numbers are written. Find the missing number.

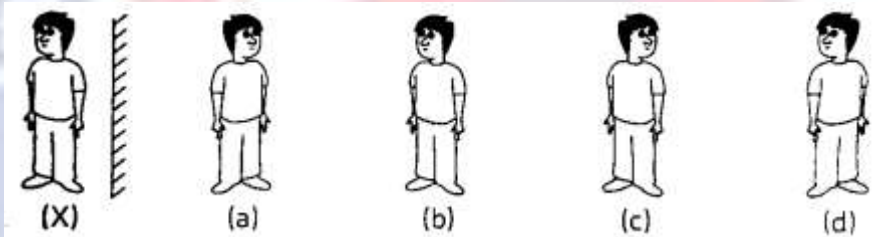


- (A) 154 (B) 132
(C) 160 (D) 120

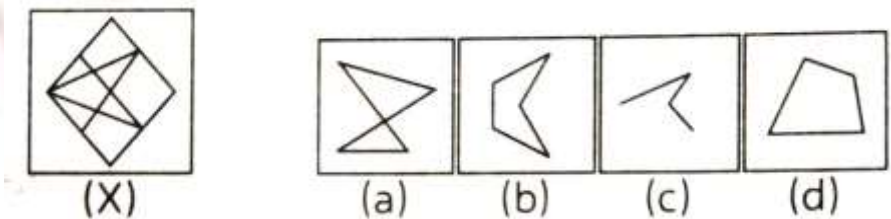
13. The missing pattern of the Harper's book cover will be.



14. Jake drew the following picture of himself as shown in fig(X). Which is the mirror image of Jake's picture?



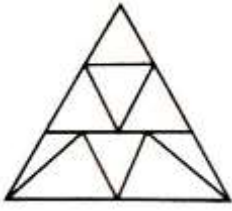
15. Identify the part which is exactly hidden in the problem figure (x).



SECTION-B

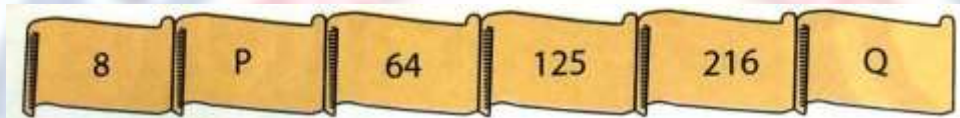
Non Verbal Reasoning

16. Count the number of triangles from the given figure.



- (A) 11 (B) 10
(C) 12 (D) 13

17. In the number pattern below, what are the values of P and Q respectively?



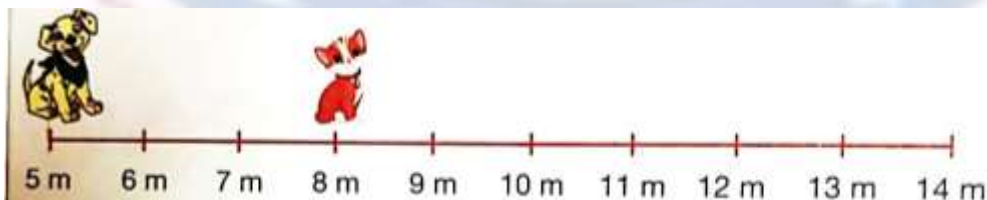
- (A) 27,343 (B) 343,27
(C) 27,49 (D) 49,27

18. If the given matrix follows a certain rule row-wise or column-wise, then find the missing number.

12	8	16
13	15	52
100	92	?

- (A) 272 (B) 181
(C) 77 (D) 50

19. A dog is chasing a cat as shown here.



- The cat starts from 8m and jumps 3m every time.
- The dog starts from 5m and jumps 5m every time.

If they both start at the same time, in which jump will the dog overtake the cat?

- (A) 1 (B) 2
(C) 3 (D) 4

20. Rule : Number of letters skipped in between adjacent letters in the series decreases by one.

Which of the following series is observing the above rule?

- (A) ACEG (B) LNOQ
(C) BEGH (D) LNOR

21. If VII means XI, XI means XII, XII means C, then which number comes immediately after XI in counting?

- (A) XII (B) C
(C) XI (D) X

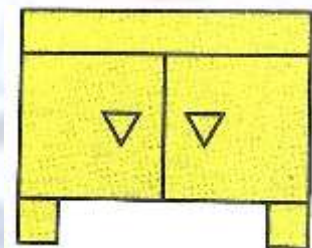
22. Answer the question based on English alphabetical series A to Z
M is _____ in the series.

- (A) 13th from right end (B) 13th from left of C
(C) 13th from left end (D) 13th from right of D

23. Find the mirror image of given below combination of letters.



24. How many vertical lines are there in the figure below?



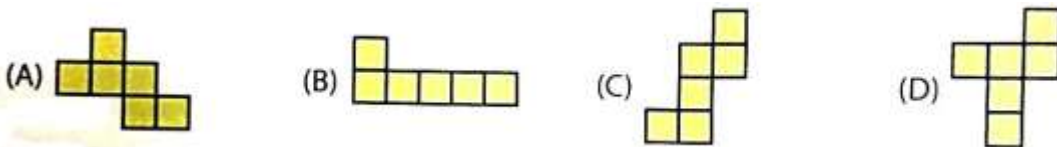
- (A) 7 (B) 6
(C) 5 (D) 4

25. How many lines of symmetry can be drawn in the figure?



- (A) 1 (B) 2
(C) 3 (D) 0

26. Which of the following is not a net of a cube?



27. Identify the figure in which given part is exactly embedded as one of its part.



28. If P and Q interchange their position and S and R interchange their position. Then S and Q move diagonally and meet at the centre. P is in _____ of S.



- (A) South-east
- (B) South-west
- (C) North-east
- (D) North-west

29. How many possible combinations of one day and one month are there with 5 days and 5 months?

- (A) 20
- (B) 25
- (C) 10
- (D) 22

30. Find odd one out.



- A. (D)
- B. (B)
- C. (C)
- D. None of these

SECTION - C

Mathematical Reasoning

31. Starting at 100, count backwards by nines, find the tenth term.
- (A) 19 (B) 18
(C) 28 (D) 39
32. What will be the 5th term for the pattern which starts at 17 and count by fours.
- (A) 21 (B) 29
(C) 33 (D) 37
33. Nancy drove from her house to the park, she drove 15 blocks East, 10 blocks North, 15 blocks West, 5 blocks north and stopped at the park. Where is the park in relation to Nancy's house?
- (A) 5 Blocks North (B) 15 Blocks North
(C) 15 Blocks East (D) 45 Blocks West
34. If yesterday was Tuesday what day of the week will it be eighth day from today?
- (A) Wednesday (B) Thursday
(C) Friday (D) Tuesday
35. Mohit has some stickers. He can share them equally with four friends. He can also share them equally with 6 friends. What is the least possible numbers of stickers he can have?
- (A) 24 (B) 35
(C) 12 (D) 48



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ANSWER SHEET

Question No.	Answer	Question no.	Answer
1.	C	19.	B
2.	D	20.	C
3.	D	21.	B
4.	A	22.	C
5.	A	23.	D
6.	A	24.	C
7.	D	25.	A
8.	B	26.	B
9.	B	27.	C
10.	A	28.	A
11.	C	29.	B
12.	D	30.	C
13.	D	31.	A
14.	A	32.	C
15.	C	33.	B
16.	A	34.	B
17.	A	35.	C
18.	A		

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