

PRACTICE SET 1

A Whole Content Based Test for Class 10th Reasoning Asiad

1. In the following question, the letters of the words given in the options have been jumbled up. Reconstruct the words and identify the one which is the answer to the given clue.

A number system used in computers

- A CLAMIED B TCALO
C RBANIY D PALPTO

2. Which pair of numbers is different from the other three?

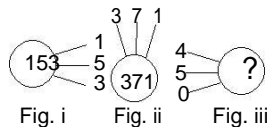
- A 19-17 B 23-31
C 23-26 D 43-21

3. Identify the correct set of numbers from among the given set of alternatives that exhibits a behaviour similar to that of the given set.

Given set (4, 7, 9)

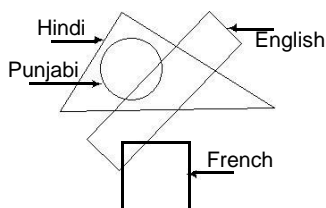
- A (8, 18, 20) B (11, 21, 24)
C (13, 24, 27) D (15, 29, 31)

4. Find the missing term that will replace the question mark.



- A 420 B 291
C 189 D 345

5. In the given diagram, which one of the following statements is incorrect?



- A There are no such people who know Punjabi but not Hindi
B None of the persons known French and Hindi both
C No person knows more than two languages
D There is no such person who knows Punjabi and English both but not Hindi
6. In a certain code, 'GEMINI' is written as 'FENIMI'. How will 'PISCES' be written in the same code?
A QIRCFS
B OITCDS
C OIRCDS
D OJTCDS

7. If 'A@B' means 'B is the brother of A', A = B means 'B is the daughter of A' and 'A B' means 'A is the wife of B', then which of the following relations shows that P is the paternal aunt of S?

- A S Q @ R = P B P @ QR = S
C P Q @ R = S D PQ @ S = R

8. In a row of students, Kirti's position is 5th from the left end and 7th to the left of the person standing in the middle. What is the total number of students standing in the row?

- A 23 B 25
C 19 D 21

9. Study the relationship given and complete the following analogies from the two sets of option given. Which of the following options replace the (i) and (ii).

(i) is to Water as thermometer is to (ii)

- (i) (P) HUMIDITY (Q) RAIN
(R) PITCHER (S) EVAPORATION
(ii) (W) DOCTOR (X) MERCURY
(Y) FEVER (Z) TEMPERATURE
A PY B QX
C SZ D QW

- Directions** (Q. Nos. 10-11) Study the information given below carefully and answer the question that follows.

- Five persons A, B, C, D and E in the same order, are standing in increasing order of their heights facing North.
 - Five more persons P, Q, R, S and T with heights equal to that of A, B, C, D and E respectively are made to stand behind A, B, C, D and E, facing South and in the same order.
 - Two persons are selected from among A, B, C, D and E, facing South in such a way that the shorter person selected is shorter in height than the shorter person selected from the first group and the taller person is taller in height selected from the first group.
 - No two persons with their backs facing each other are selected.
10. Among A, B, C, D and E, which two persons never get selected?
A B, D B B, E
C A, E D C, D

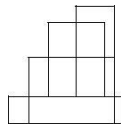
11. Between tow groups, which two persons are tallest?

- A E, T B B, P
C R, C D D, R

12. Insert three missing letters in the word written in CAPITALS, so as to complete the below sentence in a meaningful way.

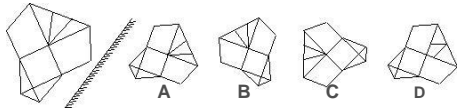
- Ravi married a WORG woman.
A RIM B BIN
C SIN D KIN

13. Count the number of rectangles in the below figure.

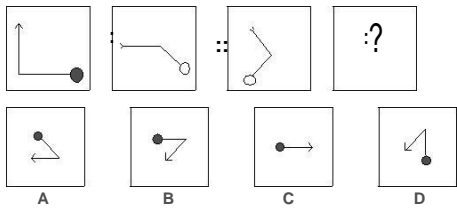


- A 23 B 24
C 25 D 26

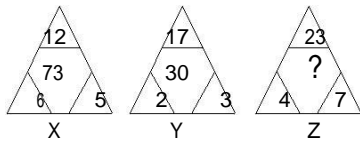
14. Identify the correct mirror image of the below figure.



15. Choose the figure which completes the second pair in the same way as the first pair.

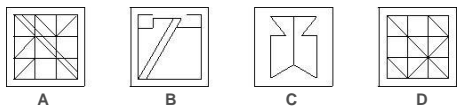
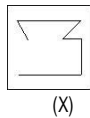


16. What number should replace the question mark?

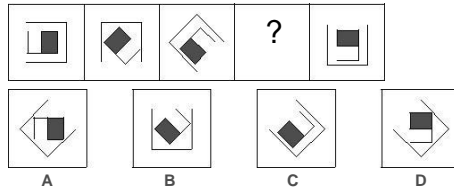


- A 80
B 86
C 88
D 87

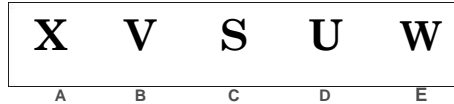
17. Select a figure from the given four options which fits exactly into figure (X) to form a complete square.



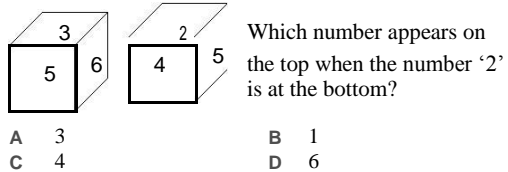
18. Choose the figure which completes the below series.



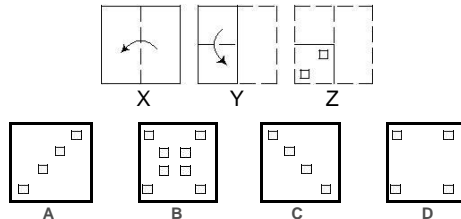
19. Except one, all the figures given below are similar in some way. Identify the odd one out.



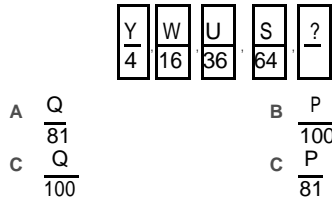
20. Consider two positions of a die shown below.



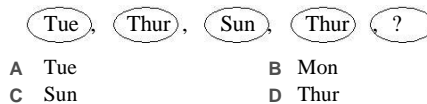
21. The three figures (X), (Y) and (Z) show a sequence of folding a sheet of paper. Fig. (Z) shows the manner in which the folded sheet has been cut out. If the sheet is unfolded, then which of the option figures (a), (b), (c) and (d), would show the unfolded form?



22. What comes next in the series given below?



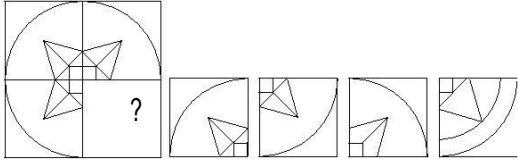
23. Find the next term in the given series.



24. Choose the odd pair of words.

- A (Length, Metre)
B (Resistance, Ohm)
C (Force, Newton)
D (Pressure, Barometer)

25. In the following question, find out the suitable alternative to fit into the blank space in figure in order to complete the pattern.



- Directions** (Q. Nos. 26-27) Study the below data table carefully and answer the questions that follow.

Production of fertilizers (in million tonne) by six major production units

Month	I	II	III	IV	V	VI
Jan	260	196	248	220	190	246
Feb	291	216	250	220	215	248
March	274	222	235	232	210	225
April	262	235	244	240	210	260
May	280	250	252	244	208	250

26. Which unit showed a continuous rise in fertilizer production over the period of five months?
 A I
 B II
 C IV
 D VI
27. What is the percentage increase in fertilizer production in unit IV in April over that in February?
 A 10.00%
 B 8.45%
 C 10.25%
 D 9.09%
28. A shopkeeper bought 60 apples at the rate of ₹ 240 per dozen. For how much should he sell an apples in order to gain 5%?
 A ₹ 21
 B ₹ 22
 C ₹ 23
 D ₹ 24

29. A right angled triangle with its height and base 4 cm and 3 cm respectively, is rotated about its height. Find the lateral surface area of the surface thus generated.

- A 45.25 cm^2 B
 C 48.14 cm^2
 D 47.14 cm^2
 46.89 cm^2

30. Charu do a piece of work in 10 days while Reema can do it in 15 days. They begin working together but 5 days before the completion of the work, Reema leaves off. Find the total number of days for the work to be completed.

- A 6 days B 10 days
 C 10 days D 8 days

31. If a person covers 36 km at a speed of 9 km/h by cycle, 40 km at 10 km/h by bus and another 144 km at 72 km/h by train. Then, find his average speed for the whole journey.

- A 30 km/h B
 C 15 km/h D 22
 km/h D 20
 km/h

32. The mean marks obtained by seven students in a group is 226. If the marks obtained by six of them are 340, 180, 260, 56, 275 and 307 respectively. Find the marks obtained by the seventh student.

- A 164 B 226
 C 340 D 401

33. A rope is cut into two pieces. The longer piece is 80% of the length of the rope. By how much percentage, is the longer piece longer than the shorter piece?

- A 300% B 100%
 C 50% D 200%

34. A person sold a TV at a profit of 6%. If he had sold it for ₹ 1200 more, he would have gained 12%. Find the cost price of the TV.

- A ₹ 10000 B ₹ 20000
 C ₹ 30000 D ₹ 1000

35. What sum of money at compound interest will amount to ₹ 6000 in 3 yr, if rate of interest is 3% for the 1st yr, 4% for the 2nd yr and 5% for the 3rd yr?

- A ₹ 5500 B ₹ 5000
 C ₹ 4060 D ₹ 5338

