

Inquizitive @ CSA OPEN DAYS

Name1: _____ Class: _____ Contact No.: _____

Name2: _____ Class: _____ Contact No.: _____

Instruction :

Time : 60 mins

1. Each question carries 4 marks. For wrong answer to the MCQ question 1 marks will be deducted.
 2. No negative marking for unattempted questions .
 3. Star(*) marked questions will be used for tie breaking.
 4. No electronic device is allowed(calculator/MobilePhone).
 5. For MCQ question circle the appropriate answer.
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1. A square and an equilateral triangle have the same perimeter. The diagonal of the square is 6 cm. What is the area of the triangle?

Ans : _____ cm.

2. The number of boys in a class is four times the number of girls. Which one of the following numbers cannot represent the total number of children in the class?

Ans : a) 44 b) 55 c) 70 d) 25

3. Reflection of a clock in the mirror shows time 6:10 then what is the actual time?

Ans : a) 6:10 b) 5:50 c) 5:10 d) 6:50

4. Showing the girl playing cricket, Gautam says, "Her mother is the only daughter of my mother-in-law". How is the girl related to Gautam?

Ans : a) Daughter b) Wife c) Nephew d) Sister

5. Ria purchased 300 bulbs for her shop at Rs. 12 each. During transportation 60 bulbs got damaged, and she sold remaining bulbs at price of Rs. 15 each. Find overall profit/loss in %.

Ans : a) 10% profit b) 5% profit c) 5 % loss d) No profit no loss

6. Who is the first Indian female wrestler to win a medal at the Olympics

a) P. V. Shindhu b) Sakshi Malik b) Vinesh Phogat d) Babita Kumari

7. 1. Richard is a strange liar. He lies on six days of the week, but on the seventh day, he always tells the truth. He made the following statements on three successive days:

Day 1: "I lie on Monday and Tuesday."

Day 2: "Today, it's Thursday, Saturday, or Sunday."

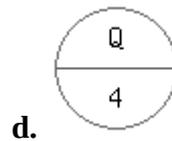
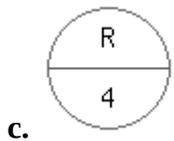
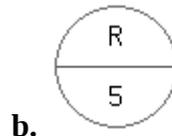
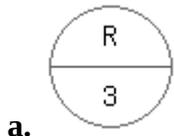
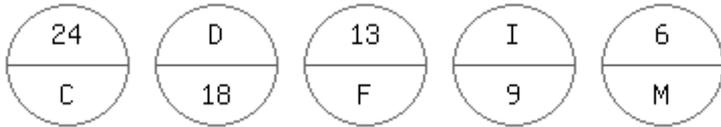
Day 3: "I lie on Wednesday and Friday."

Ans : _____

8. A cube is painted with blue colour on its five faces. If this cube is cut into equal 27 small cubes, number of small cubes will have at least one face coloured.

Ans : _____

9. Find the next shape.



10. One morning after sunrise, Kareem was standing facing a pole. The shadow of the pole fell exactly to his left. Which direction was he facing?

Ans : a) North b) South c) East d) West

11. In the class, 11 students play volleyball, and 14 students play hockey. There are 5 students who play both games and 6 students doesn't play any game. How many students are there in the class?

Ans : a) 36 b) 26 c) 31 d) 41

12. If $p+2$, $4p-6$ and $3p-2$ are the three consecutive terms of an A. P., Find the value of p .

Ans : a) 1 b) 2 c) 3 d) 4

13. In Series 1,3,7,15,...., what is the next term?

Ans : a) 28 b) 29 c) 30 d) 31

*14. In your bedroom, you have a drawer with 2 red, 4 yellow, 6 purple, 8 brown, 10 white, 12 green, 14 black, 16 blue, 18 grey, and 20 orange socks. It is dark in your bedroom, so you cannot distinguish between the colors of the socks. How many socks do you need to take out of the drawer to be sure that you have at least three pairs of socks of the same color?

Ans : _____

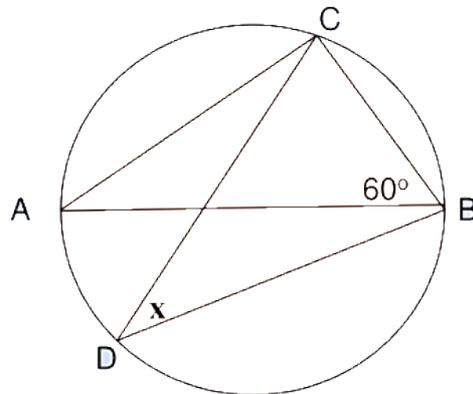
15. What is the Sum of the interior angles of a polygon having 12 sides.

Ans : a) 2160 b) 1800 c) 1980 d) 1620

16. If cost of bat and ball combined are Rs. 1.10 and bat costs Rs. 1 more than the ball. Then what is cost of bat.

Ans : _____

17.



In the given circle AB is diameter of circle. What is value of x?

Ans: _____

*18.

Statements: Some actors are singers. All the singers are dancers.

Conclusions:

1. Some actors are dancers.
2. No singer is actor.

- A. Only (1) conclusion follows
B. Only (2) conclusion follows
C. Either (1) or (2) follows
D. Neither (1) nor (2) follows

*19. $ABCD \times E = DCBA$

Replace letters with digits and have the product be true. A,B,C,D and E are all different digits. What are the values of A,B,C,D,E?

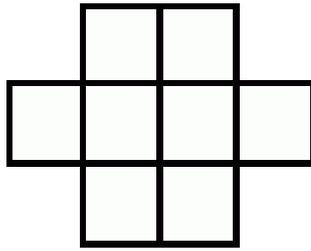
A = ____ B = ____ C = ____ D = ____ E = ____

20.

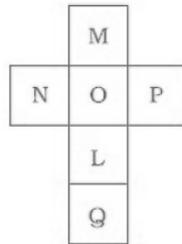
A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?

- A. A
B. X
C. S
D. Z

*21. Write the numbers from 1 to 8 into the squares, so that the squares with consecutive numbers do not touch (neither edges nor corners).



22. The net shown below can be folded into shape of a cube. The face marked with letter L is opposite to the face marked with which letter?



Ans : _____

23. You walked 2 km west of your house and then turned south covering 4 km. Finally, you moved 3 km towards east and then again 1 km west. How far are you from your house?

Ans : _____

*24. What is minimum number of attempts that you can find a defective ball (ball with higher weight) among 10 given balls after weighting it in a 2 weight weighting pan?

Ans : _____

25. 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

26. AZ, GT, MN, ?, YB

- A. KF
- B. RX
- C. SH
- D. TS

27. Find the odd one out

- A. Vapour
- B. Mist
- C. Hailstone
- D. Fog

28. If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?

- A. DEQJQM
- B. DCQHQQ
- C. EDRIRL
- D. ESJFME