

Practice Set 1



A Whole Content Based Test for Class 8th Reasoning Asiad

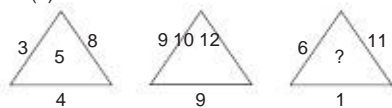
Directions (Q. Nos. 1 - 2) From amongst the four alternatives, determine which term completes the second pair in the same way as the first pair.

1. CM : EO :: PR : ?
a QT b RS c RT d QR

2. 5 : 10 :: 26 : ?
a 51 b 40 c 50 d 37

3. The next term of the series 3, 7, 15, 27, ? is
a 43 b 42 c 44 d 40

4. Find the missing term that will replace the question mark (?).



a 5 b 7 c 6 d 8

5. A term of the series given below is wrong. Identify the wrong term.
2, 3, 5, 8, 11, 13

a 2 b 8 c 11 d 13

6. Three of the following four are alike in a certain way and so form a group. Which one does not belong to that group?

a Chair b Table
c Paper weight d Sofa

7. A class of boys stands in a single line. One boy is twenty fifth in order from both the ends. How many boys are there in the class?

a 50 b 49 c 51 d 48

8. In a certain code, 'PAIN' is written as 'QZJM'. How will 'FIRE' be written in the same code?

a GHSD b EJQF c GJSF d EHQD

9. Consider the following statements

There are six villages A, B, C, D, E and F.

- F is 1 km to the East of E.
- D is 1 km to the West of C.
- A is 2 km to the North of E.
- A is 1 km to the West of B.
- C is 1 km to the South of A.

Which three villages are in a line?

a A, C, F b A, C, E c D, C, E d C, E, F

10. The letters of the words given in each of the four options have been jumbled up. Identify the word in the option for the clue given below.
'A type of a geometrical shape.'

a URAZQT b AONMG c QRSEUA d DWWNIO

11. Arrange the following words in a meaningful order.

- 1. Paragraph 2. Letters 3. Sentence
- 4. Phrase 5. Word

a 2, 4, 5, 3, 1 b 2, 5, 3, 4, 1
c 2, 5, 4, 1, 3 d 2, 5, 4, 3, 1

12. Seven persons are standing in a row. E is standing left to D but right to C. B is standing right to A and left to C. F is standing right to D and left to G. Find out the person standing in the middle.

a B b E c C d D

13. Count the number of triangles in the following figure.

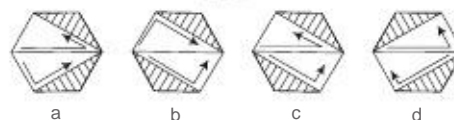
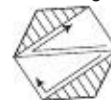


a 20 b 18 c 22 d 16

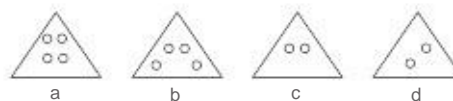
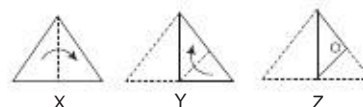
14. Choose the figure which completes the second pair in the same way as the first pair.



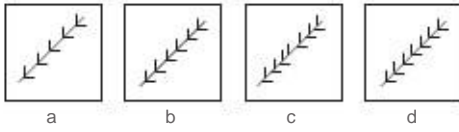
15. Choose the correct mirror image of the below figure.



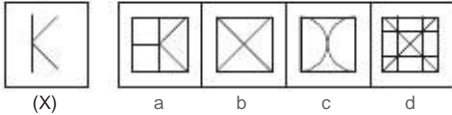
16. Given below are three forms X, Y and Z of a sheet of paper. The forms represented by figures X and Y respectively show the two consecutive folds of the sheet. Figure Z shows the cuts that are made into the folded sheet. From among the four answer figures, choose the one that represents the unfolded form of the sheet.



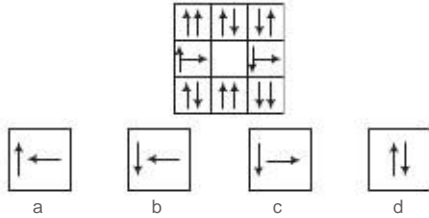
17. Find the odd figure.



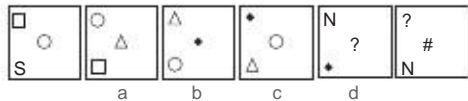
18. You are given a figure (X) followed by four option figures (a), (b), (c) and (d) such that figure (X) is exactly embedded in one of them. Trace out the option figure which contains figure (X) as its part.



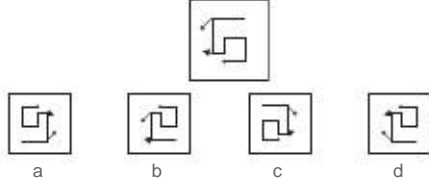
19. Identify which one of the four answer figures fits into the blank cell of the following matrix.



20. Given below is a sequence of six figures. Choose the odd one out from amongst the figures (a), (b), (c) and (d).



21. Choose the correct water image of the given figure.



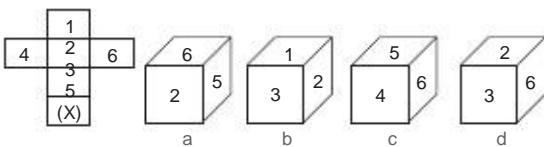
Directions (Q. Nos. 22 - 23) Read the following information carefully and answer the questions that follow.

A cube is painted red on all its faces. It is then cut into 27 identical small cubes.

22. How many small cubes have four faces painted?
a 8 b 1 c 6 d 0

23. The number of small cubes with three faces painted is
a 8 b 0
c 1 d 6

24. Which of the following cubes can be formed from the given net (X)?



25. Two positions of a die are shown below



Identify the number at the bottom when '1' is on the top.

a 2 b 5 c 4 d 6

26. If 29th February, 2012 was Wednesday, then what day was on 28th February, 2013?

a Thursday b Wednesday
c Friday d Tuesday

27. What is the angle between the two hands of a clock at quarter past 4?

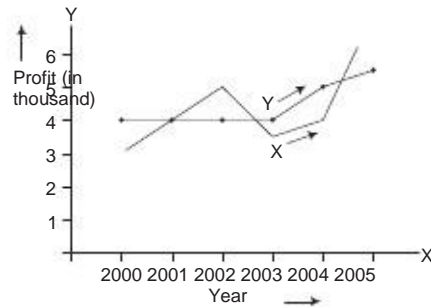
a 30° b $35 \frac{1^\circ}{2}$ c $37 \frac{1^\circ}{2}$ d $32 \frac{1^\circ}{2}$

28. If '+' stands for 'x', '-' stands for '+', 'x' stands for '+' and '+' stands for '-', then the value of the expression $24 \cdot 12 + 9 \mid 9 \square 4 \cdot 4$ is

a 10 b 12 c 8 d 15

Directions (Q. Nos. 29 - 30) Read the following information carefully and answer the questions that follow.

The following graph shows the profit of two merchants X and Y in thousand (in ₹) per year from the years 2000-2005.



29. The profit of X and Y is the same in the year
a 2000 b 2001 c 2003 d 2004

30. The difference between the profit of Y and X in the year 2003 is
a ₹ 500 b ₹ 100 c ₹ 500 d ₹ 600

31. If $P : Q = 8 : 15$ and $Q : R = 3 : 2$, then find $P : Q : R$.
a 8 : 15 : 7 b 7 : 15 : 8
c 8 : 15 : 10 d 10 : 15 : 8

32. 40% of $700 = ?$
a 270 b 370 c 280 d 345

33. The compound interest on ₹ 60000 at 7% per annum is ₹ 8694. Find the period.
a 2 yr b 8 yr c 3 yr d 5 yr

34. The ages of Pinky, Rinky, Tinky and Minky are 20 yr, 15 yr, 5 yr and 8 yr, respectively. What is the average age of the four girls?
a 12 yr b 18 yr c 15 yr d 17 yr

35. The area of a right angled triangle is 40 sq cm. If its base is equal to 28 cm, then find its height.
a $3 \frac{6}{7}$ cm b $4 \frac{6}{7}$ cm c $2 \frac{6}{7}$ cm d $5 \frac{6}{7}$ cm