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ICO INTERNATIONAL CYBER OLYMPIAD	NISO NATIONAL INTERACTIVE SCIENCE OLYMPIAD	NIMO NATIONAL INTERACTIVE MATHS OLYMPIAD	NBTO NATIONAL BIOTECHNOLOGY OLYMPIAD	IEO INTERNATIONAL ENGLISH OLYMPIAD	IGO INTERNATIONAL G.K. OLYMPIAD	BIFO BSE INTERNATIONAL FINANCE OLYMPIAD
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Level - 1 : All Level-1 successful* participants will get certificate, aptitude report and online subscription, and school toppers will be eligible for school hero medals.

Level - 2 : School toppers* will be selected for level-2-National level - online computer based interactive test held at exam centres all over India. Besides selection for level-3, winner will get merit certificate, medals, educational CDs, laptop, scholarship and other prizes. There is no level 2 in G.K. and Biotech.

Level - 3 : Toppers will qualify# for level 3-International level-where you will compete with students globally. Get selected for EHF's International Olympiad training camp. Only Indian organization giving students exposure to global competitions. Represent India & win laurels. Guidance by top scientists. Prizes ranges from cash (millions of \$), gadgets, foreign trips, publicity, fame, scholarships, Internships, conference participation and more. Level 3 is in Maths, Science & Cyber only.

*# See prospectus/website for details

1. You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET (OMR)**. **STUDENTS OF CLASS 1 & 2 HAVE TO UNDERLINE** THE CORRECT ANSWER IN THE QUESTION PAPER ITSELF. THEY ARE NOT REQUIRED TO USE THE RESPONSE SHEET (OMR). THEY HAVE TO FILL THEIR NAME, ROLL NUMBER, CLASS, SCHOOL NAME IN THE SPACE PROVIDED IN THE QUESTION PAPER.
2. The question paper is made as per syllabus guidelines & pattern given in the information Booklet. The Question Paper for Classes 1 to 6 contains 25 Questions each to be answered in 40 minutes. The Question paper for classes 7 to 12 contains 50 Questions each to be answered in 60 minutes. All questions are compulsory. Further instructions are given in the instruction letter to the teacher.
3. Use the response sheet to mark your responses by darkening the required circle. The response sheet has to be returned to the foundation, duly filled in. The student can retain the Question Paper except for classes 1 and 2.

NATIONAL INTERACTIVE MATHS OLYMPIAD

NIMO

5 Class **A1 Paper Code**

LEVEL - 1

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MENTAL ABILITY

1. Which property of multiplication is shown?

$$1 \times 4 = 4$$

- (1) Associative (2) Distributive
(3) Zero (4) Identity

2. Neelu counted the tiles on the gymnasium floor. The gym is 581 tiles long and 17 tiles wide. What is the total number of tiles on the gymnasium floor ?

- (1) 9400 (2) 9877
(3) 9764 (4) None of these

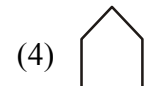
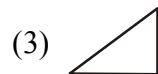
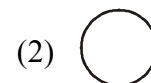
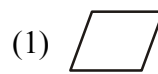
3. $\frac{6}{8} + \frac{3}{8} =$

- (1) $\frac{7}{8}$ (2) $\frac{9}{8}$

(3) $\frac{8}{9}$

(4) None of these

4. Mark the odd one



5. A quadrilateral has

- (1) Three sides
(2) Four sides
(3) Five sides
(4) None of these

MATHEMATICS

6. The smallest four digit number when added with the largest four digit number is ?

- (1) 9999 (2) 10999
(3) 10099 (4) None of these

7. Which is arranged in the sequence from the largest to smallest ?

- (1) 6789, 6679, 6675, 6670
(2) 7359, 7539, 7953, 7395
(3) 3375, 3557, 3215, 3615
(4) None of these

8. Which is the largest multiple of 2 formed by arranging these digits ?

- 91, 36, 52
(1) 915236 (2) 365291
(3) 529136 (4) 913652

9. Solve and answer.

D – V

- (1) CCCCLXXXV (2) XXXXLV
(3) CCCLXXV (4) None of these

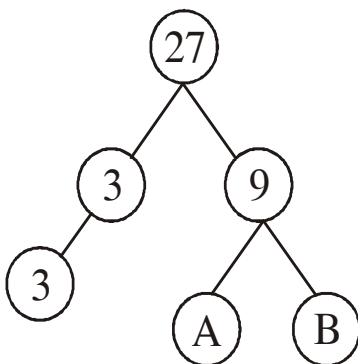
10. Which equation shows existence of additive inverse?

- (1) $4+(2+3) = (4+2)+3$ (2) $2+0 = 2$
(3) $1+(-1)=0$ (4) $5+7 = 7+5$

11. Estimate the product. Round the second factor to the nearest thousand and then multiply?

- $4 \times 2,205 = ?$
(1) 700 (2) 8000
(3) 10000 (4) None of these

12.

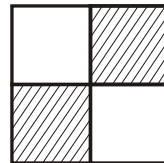


What goes in (A) and (B)

- (1) A= 2, B= 3 (2) A= 0, B= 3
(3) A= 1, B= 3 (4) A= 3, B= 3

13. $49.1 =$

- (1) $400+90+\frac{1}{10}$ (2) $40+9+\frac{1}{100}$
(3) $40+9+1$ (4) $40+9+\frac{1}{10}$



14.

How can the fraction be shown in the figure written ?

- (1) $\frac{2}{4}$ (2) $\frac{1}{2}$
(3) Both (1) and (2) (4) None of these

15. Which of the following can be measured in litres?

- (1) Length of a table
(2) Quantity of juice
(3) Quantity of milk
(4) Both (2) and (3)

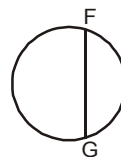
16. Which two are equal ?

- (1) 2kg, 20gms (2) 200gms, 200kg
(3) 2000gms, 2kg (4) 20kg, 20gms

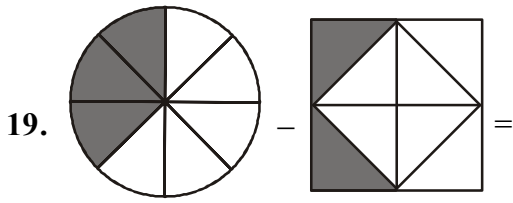
17. Which is a false statement?

- (1) Trapezium is a quadrilateral
(2) Sphere has two faces
(3) All angles of a square are right angles
(4) Sum of all angles of a triangle is 180°

18. What is FG?



- (1) Diameter (2) Radius
(3) Chord (4) None of these



- (1) $\frac{5}{8}$ (2) $\frac{1}{6}$
 (3) $\frac{1}{8}$ (4) None of these

20. Number of days in $\frac{2}{7}$ of a week is-

- (1) 2 days (2) 14 days
 (3) 1 day (4) None of these

ETG INTERACTIVE SECTION

21. How many dots will be in the eighth step?

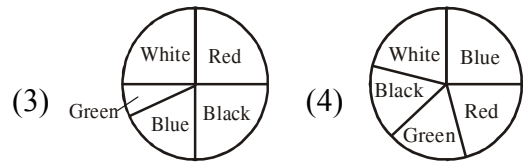
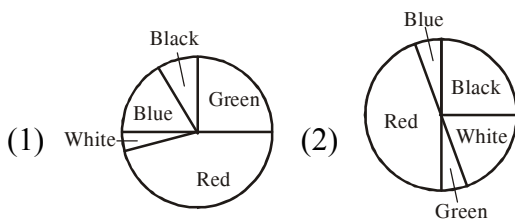


- (1) 64 (2) 24
 (3) 16 (4) 8

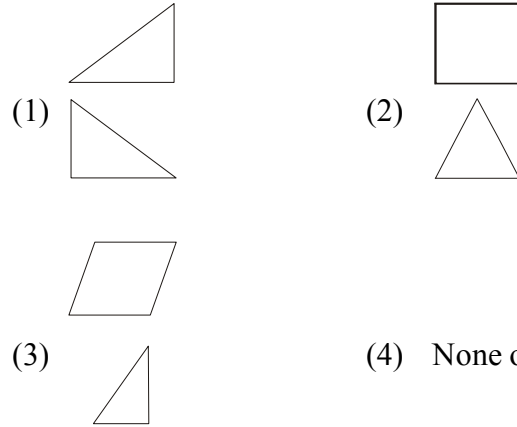
22. Kartik has shirts in 5 different colours. The table shows the number of shirts Kartik has in each colour.

Color	Number of Shirts
Green	2
Blue	1
Red	9
Black	5
White	3

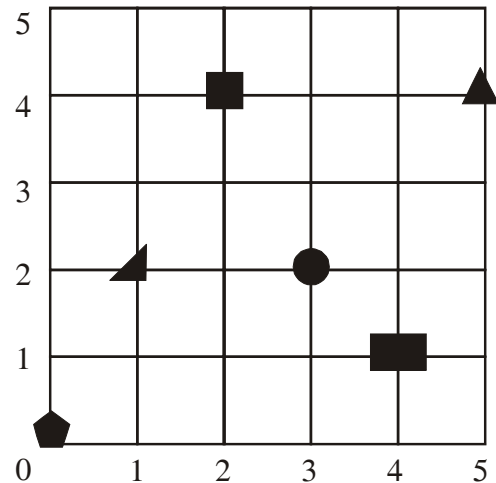
Which circle graph best represents the data in the table?



23. Which two shapes can be put together side by side to make a rectangle?



24. Where is the square?



- (1) (1,2) (2) (2,4)
 (3) (4,1) (4) (5,5)

25. What is 20% of 750?

- (1) 150 (2) 450
 (3) 200 (4) 250



END OF THE EXAM