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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	NIPO NATIONAL IIT-PMT 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 Art, 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

- 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.
- 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.
- 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.**

EHF
NATIONAL
INTERACTIVE
MATHS
OLYMPIAD

N I M O

4
Class

A1
Paper
Code

LEVEL - 1

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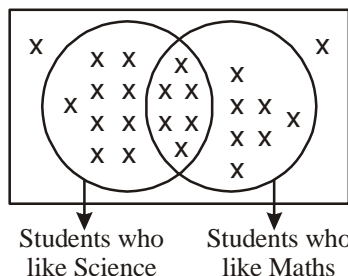
Google
Science
Fair

THE HARVARD-WIY MATHEMATICS TOURNAMENT

ORACLE ThinkQuest
EDUCATION FOUNDATION

MENTAL ABILITY

- Gautam made a frame in art class. The frame has four side that have opposite sides equal and parallel. The frame has four right angles. What is the shape of the frame?
(1) Rectangle (2) Pentagon
(3) Trapezium (4) None of these
- Mrs. Bhatia collected data about her class on this Venn diagram. How many of Mrs. Bhatia's students like only Maths?



- Rudra needed to replace some equipment for the physical education department. Of the 27 items she ordered, 12 were basket balls and the rest were volleyballs. Use the number sentence given below, where V represents the number of volleyballs.

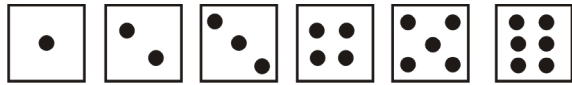
$$12 + V = 27$$

How many volleyballs did Rudra order?

- (1) 15 (2) 25
(3) 5 (4) None of these
- What is the measure of $\angle A$ to the nearest degree?
(1) 30°
(2) 45°
(3) 150°
(4) None of these



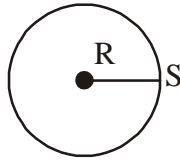
5. How many dots are there on all six faces of a dice ?



- (1) 21 (2) 20
 (3) 24 (4) None of these

6. What is RS?

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




7. $579 \times 3 = \square$




- (1) 1377 (2) 1733
 (3) 1737 (4) None of these

8. Joy has 28 marbles. He puts them into 4 bags. He puts the same number of marbles in each bag. How many marbles are in each bag?

- (1) 2 (2) 3
 (3) 7 (4) None of these

9. The circle shows $\frac{1}{4}$ shaded.

 $= \frac{1}{4}$ Which fractional part of the circle below is equal to $\frac{1}{8}$?

- (1)  (2) 
 (3)  (4) None of these


10. Dolly shaded $\frac{1}{10}$ of the figure. Which decimal equals to $\frac{1}{10}$?



- (1) 0.01 (2) 0.1
 (3) 0.110 (4) None of these

11. Jiya drew the faces shown below.



What fraction of the faces are  ?




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

12. The perimeter of a square field is 100 m.

Find the length of its side.

- (1) 24 m (2) 25 m
 (3) 400 m (4) None of these

13. Which picture has symmetry?

- (1)  (2) 
 (3)  (4) None of these

14. Convert 8605cm into m and cm.

- (1) 86m 5cm
 (2) 68m 5cm
 (3) 85m 4cm
 (4) None of these

15. 2 km = _____ m.

- (1) 200
 (2) 2000
 (3) 20
 (4) None of these

16. 3km 540m = _____m.

- (1) 3450
 (2) 3540
 (3) 3504
 (4) None of these

The pictograph shows the amount of rain received by a city over a few years.

Rainfall for six years	
1996	
1997	
1998	
1999	
2000	
2001	
= 20 cms of rain	

17. In which year did the city receive the maximum rainfall?

- (1) 1996 (2) 1998
(3) 2001 (4) None of these

18. In which year did the city receive 140 cm of rain?

- (1) 2001 (2) 2000
(3) 1999 (4) None of these

19. How much less rainfall did it receive in 1997 than 1996?

- (1) 140 cm (2) 120 cm
(3) 80 cm (4) None of these

20. Chetan bought these three things:



What was the total cost of these items?

- (1) ₹ 9.30
(2) ₹ 9.20
(3) ₹ 8.30
(4) None of these

INTERACTIVE SECTION

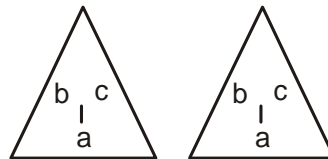
21. How many legs can you identify in this picture ?



- (1) 5 (2) 8
(3) 6 (4) None of these

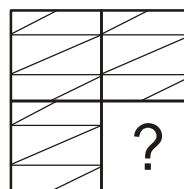
22. Chetan put together the 2 triangles shown below to make a new shape.

What shape did he make?



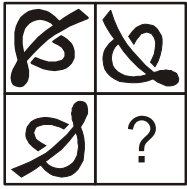
- (1) Square (2) Triangle
(3) Rectangle (4) None of these

23. Identify the figure that completes the pattern.



- (1) (2)
(3) (4) None of these

24. Identify the figure that completes the pattern.



(4) None of these

25. Look at this pictograph:

Car sale last week	
Uptown cars	
Smith family cars	
Down town cars	
Checkers cars	

car = 5 cars

How many down-town cars were sold last week?

(1) 40

(2) 15

(3) 25

(4) None of these



END OF THE EXAM