



# EDUHEAL FOUNDATION

## INTERACTIVE OLYMPIADS

EDUHEAL FOUNDATION CONDUCTS 8 OLYMPIADS ANNUALLY REACHING OUT TO 3,500 + SCHOOLS  
• 4 LAKH + STUDENTS • 50,000 COORDINATING TEACHERS AND HAVING 500 RESOURCE PERSONS  
IN ENGLISH / MATHS / SCIENCE / BIOTECH / COMPUTER / G.K. / ARTS / CRICKET & 300 REGIONAL COORDINATORS.

WEBSITE : [WWW.EDUHEALFOUNDATION.ORG](http://WWW.EDUHEALFOUNDATION.ORG) • E-MAIL : [EDUHEALFOUNDATION@GMAIL.COM](mailto:EDUHEALFOUNDATION@GMAIL.COM)

<b>ICO</b> INTERNATIONAL CYBER OLYMPIAD	<b>NISO</b> NATIONAL INTERACTIVE SCIENCE OLYMPIAD	<b>NIMO</b> NATIONAL INTERACTIVE MATHS OLYMPIAD	<b>NBTO</b> NATIONAL BIOTECHNOLOGY OLYMPIAD	<b>IEO</b> INTERNATIONAL ENGLISH OLYMPIAD	<b>IGO</b> INTERNATIONAL G.K. OLYMPIAD
---	---	---	--	---	--

**Level - 1** : Level-1 winners will get certificate, aptitude report, medals for the school toppers and online subscription.

**Level - 2** : Top 10 % including 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, aptitude report, medals, Mp3 player, watches, educational CDs, laptop, scholarship, online subscription etc.

**Level - 3** : Top 1% 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.

- You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET**.
- 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 coordinator 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.

**NATIONAL INTERACTIVE MATHS OLYMPIAD**

**NIMO**

**5 Class** **A1 Paper Code**

**LEVEL - 1**

Academic Partner — [WWW.EDUSYS.IN](http://WWW.EDUSYS.IN)

**EtG BOOKS** Creating SUCCESS Stories

EDUSYS LEARNING MEDIA  
AIIEE • IIT • PBT • OLYMPIADS

**intel** Google Science Fair

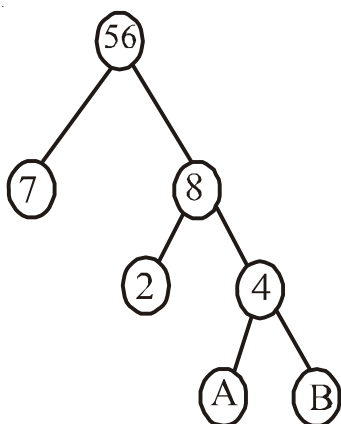
INTERNATIONAL SCIENCE AND ENGINEERING FAIR

**H** THE HARVARD - MIT MATHEMATICS TOURNAMENT

**ORACLE ThinkQuest** EDUCATION FOUNDATION

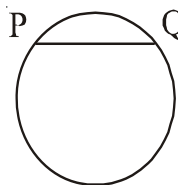
### MENTAL ABILITY

1. What number goes in A & B ?



- (1) A = 2, B = 1      (2) A = 2, B = 2  
(3) A = 3, B = 5      (4) None of these

2. What is PQ ?



- (1) Diameter      (2) Chord  
(3) Radius      (4) None of these
3. Complete the Series :-  
9 18 27 36
- (1) 46      (2) 45  
(3) 28      (4) None of these
4. Write the short form of  
10000 + 4000 + 5

- (1) 14005                      (2) 1405  
 (3) 145                        (4) None of these

5. The time shown is



- (1) Half past 6                (2) Quarter to 7  
 (3) Quarter past 6          (4) None of these

### MATHEMATICS

6. In fraction  $\frac{10}{9}$ , 9 is called  
 (1) Denominator              (2) Numerator  
 (3) Dividend                 (4) None of these

7. How will you write  $\frac{6}{1000}$  in decimal form?  
 (1) 0.006                      (2) 0.6  
 (3) 0.06                        (4) None of these

8. How many days are there in a leap year?  
 (1) 365 days                    (2) 364 days  
 (3) 366 days                    (4) None of these

9. If today is Tuesday? What will be the day after tomorrow?  
 (1) Thursday                  (2) Friday  
 (3) Sunday                      (4) None of these

10. Find the sum of the place values of 5s in 5145.  
 (1) 5005                        (2) 505  
 (3) 55                            (4) None of these

11. Subtract 2836 from 4000?  
 (1) 1164                        (2) 1165  
 (3) 1166                        (4) None of these

12. A man sells 110 tickets every day. Find the number of tickets he sells in 365 days.

- (1) 40310                      (2) 40150  
 (3) 40510                      (4) None of these

13. Fill in the blank :-

$$1207 \times \square = 0$$

- (1) 1                              (2) 0  
 (3)  $\frac{1}{2}$                             (4) None of these

14. Add 7.15 and 5.42

- (1) 12.55                      (2) 12.52  
 (3) 12.57                      (4) None of these

15. Fill in the blank :-

$$\text{₹ } 100.05 \square \text{ ₹ } 100.50$$

- (1) >                              (2) =  
 (3) <                              (4) None of these

16.  $7\frac{1}{4}$  is same as

- (1)  $\frac{28}{4}$                             (2)  $\frac{4}{28}$   
 (3)  $\frac{7}{4}$                               (4) None of these

17. The hour hand will move from 1 to 4 in  hours

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

18. Round off 3,600 to the nearest thousand

- (1) 360                         (2) 4,000  
 (3) 4,500                      (4) None of these

19. What fraction is equivalent of  $\frac{2}{18}$ ?

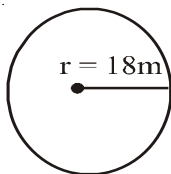
- (1)  $\frac{1}{18}$                             (2)  $\frac{2}{6}$   
 (3)  $\frac{1}{9}$                               (4) None of these

20. Reciprocal of 3 is

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

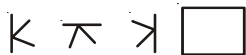
**ETG INTERACTIVE SECTION**

21. The radius of a Circle is 18 m. What is its diameter?



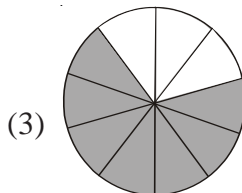
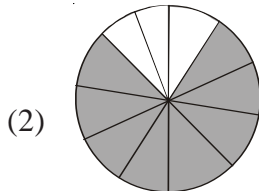
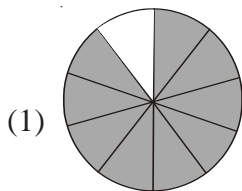
- (1) 35 m                      (2) 9 m  
(3) 36 m                      (4) None of these

22. Find the pattern?



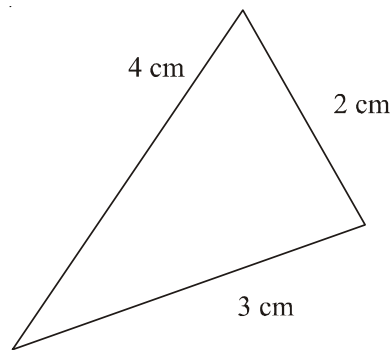
- (1)  $\sphericalangle$                       (2)  $\sphericalright$   
(3)  $\sphericalleft$                       (4) None of these

23. Which shape shows the fraction  $\frac{8}{11}$ ?



(4) None of these

24. Find the Perimeter of



- (1) 8 cm                      (2)  $\frac{9}{2}$  cm  
(3) 9 cm                      (4) None of these

25. The table below gives the distances of some cities from Delhi

From	To	Km
Delhi	Mumbai	1,500
Delhi	Chennai	2,010
Delhi	Kolkata	1,507

Which would be the distances arranged in descending order?

- (1) Chennai, Kolkata, Mumbai,  
(2) Chennai, Mumbai, Kolkata.  
(3) Kolkata, Mumbai, Chennai  
(4) None of these



**END OF THE EXAM**