



# EDUHEAL FOUNDATION

EDUHEAL FOUNDATION CONDUCTS 8 OLYMPIADS ANNUALLY REACHING OUT TO 3,500 + SCHOOLS

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IN ENGLISH / MATHS / SCIENCE / BIOTECH / COMPUTER / G.K. / ARTS / CRICKET / FINANCE & 300 REGIONAL COORDINATORS.

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<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	<b>BIFO</b> BSE INTERNATIONAL FINANCE OLYMPIAD	<b>NIPO</b> 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**

**6 Class A1 Paper Code**

**LEVEL - 1**

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

**EtG BOOKS** Creating SUCCESS Stories

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**intel** INTERNATIONAL SCIENCE AND ENGINEERING FAIR

Google Science Fair

**H** THE HARVARD-WIT MATHEMATICS TOURNAMENT

**ORACLE ThinkQuest** EDUCATION FOUNDATION

## MENTAL ABILITY

- Write the successor of 56,79,000.
  - 56,80,000
  - 58,60,000
  - 55,68,000
  - None of these
- What are the greatest and the smallest 6 digit number you can make with the digits given below?
 

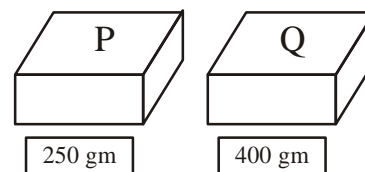
4	5	6	7	8	9
1	2	3	4	5	6

  - 9,87,654
  - 9,87,654
  - 1,23,456
  - 1,32,456
  - 9,87,564
  - None of these
  - 1,23,456
- The sunshine club newspaper printed 33,530 copies in a year and only 28,395 copies were distributed.

How many were not distributed?

- 6135
- 5135
- 5235
- None of these

- Find the heaviest set, by arranging boxes P and Q.



- PPPP
  - QPP
  - QQP
  - None of these
- Look at each pair of numbers below. Which pair contains one prime and one composite number?
    - 21, 27
    - 41, 43
    - 23, 25
    - None of these

**MATHEMATICS**

6. Mr. Subham needed ₹ 3,25,765 to buy a new car. He had ₹ 1,12,700 and needed to borrow the rest from a bank. How much did he borrow from the bank?

- (1) ₹ 2,13,065            (2) ₹ 2,12,064  
(3) ₹ 2,11,065            (4) None of these

7. What are the factors of 20?

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

8. Convert into decimals  $\frac{302}{100}$ .

- (1) 30.2                    (2) 3.02  
(3) 3.002                 (4) None of these

9. Convert into fraction 13.184.

- (1)  $\frac{13184}{1000}$                 (2)  $\frac{13184}{10000}$   
(3)  $\frac{13184}{100}$                 (4) None of these

10. Put <, > or = in the blank

50.08 \_\_\_\_\_ 50.0

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

11. A polygon whose all sides are equal, has a perimeter 4a, where 'a' is the measure of the side, then the polygon is

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

12. If the temperature early in the morning is 82°F and it increases to 100°F by afternoon, then what is the increase in temperature?

- (1) 17°F                    (2) 18°F  
(3) 19°F                    (4) None of these

13. Divesh woke up at 7:30am after sleeping for 8 hours 45 minute. What time did he go to bed?

- (1) 10:30 pm              (2) 10:45 pm  
(3) 10:54 pm              (4) None of these

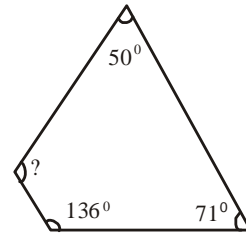
14. What is the volume of a box that has length 1.2m, breadth of 70cm and height of 50cm?

- (1) 0.42cu.cm            (2) 4,20,000cu.cm  
(3) Both (1) and (2)    (4) None of these

15. Find the value of y in 4:3 = y:12?

- (1) 12                        (2) 16  
(3) 4                         (4) None of these

16. What is the measure of the missing angle?



- (a) 100°                    (b) 57°  
(c) 103°                    (d) None of these

17. What is the circumference of a circle with radius 3.5cm?

- (1) 12cm                    (2) 22cm  
(3) 220cm                 (4) None of these

18. Annu did 9 sit-ups on Friday, 16 sit-ups on Saturday, 23 sit-ups on Sunday, 30 sit-ups on Monday and 37 sit-ups on Tuesday. How many sit-ups will Annu do on Wednesday?

- (1) 45                        (2) 42  
(3) 44                        (4) None of these

19. Parallel lines are the line that \_\_\_\_\_.

- (1) Intersect at only one unique point.  
(2) Co-incide with each other.  
(3) Never intersect each other.  
(4) None of these

20. In addition and subtraction of the integers, sign of the answer depends upon:

- (1) Smaller number value  
(2) Greater number value  
(3) Their sum  
(4) None of these

## INTERACTIVE SECTION

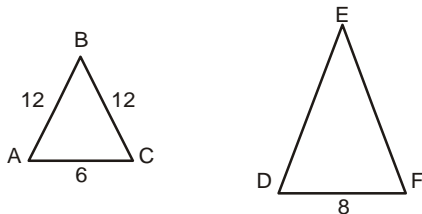
21. A movie theatre manager counted the number of tickets sold each month.

**Tickets Sold**

Month	No. of Tickets
August	11,937
September	19,837
October	19,937
November	19,397

In which month did the theatre sold the highest tickets?

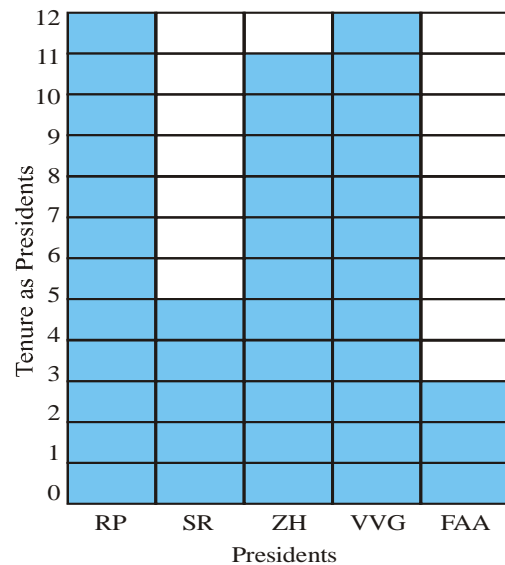
- (1) October                      (2) November  
 (3) September                (4) None of these
22. In the accompanying diagram, triangle ABC is similar to triangle DEF,  $AC=6$ ,  $AB=BC=12$  units and  $DF=8$  units. Find the perimeter of triangle DEF.



- (1) 12 units                      (2) 36 units  
 (3) 40 units                      (4) None of these

The following data shows the number of years (tenure) the first five presidents of some country served their term.

President	From-to	Number of year
RP	1950-1962	12
SR	1962-1967	5
ZH	1967-1969	11
VVG	1969-1974	12
FAA	1974-1977	3



**Based on above data answer the question no. 23 to 25**

23. Who was the longest serving president?  
 (1) RP  
 (2) VVG  
 (3) ZH  
 (4) Both (1) and (2)
24. Which president had the shortest term?  
 (1) FAA  
 (2) SR  
 (3) RP  
 (4) None of these
25. Which two presidents served for the same number of years?  
 (1) RP and VVG  
 (2) RP and ZH  
 (3) SR and RP  
 (4) None of these



**END OF THE EXAM**