



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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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

5 Class **A1 Paper Code**

LEVEL - 1

Academic Partner — WWW.EDUSYS.IN

EtG BOOKS Creating SUCCESS Stories

EDUSYS LEARNING MEDIA
AIEEE • IIT • PMT • OLYMPIADS

intel INTERNATIONAL SCIENCE AND ENGINEERING FAIR

Google Science Fair

H THE HARVARD-WIY MATHMATICS TOURNAMENT

ORACLE ThinkQuest EDUCATION FOUNDATION

MENTAL ABILITY

- If $V = 5$, $C = 100$, $D = 500$ & $M = 1000$. Then DCC is equal to
 - $100 + 100$
 - $500 + 200$
 - 900
 - None of these
- If $\Delta \Delta \Delta = \begin{matrix} \circ \circ \\ \circ \circ \end{matrix}$, then $\begin{matrix} \Delta \Delta \\ \Delta \Delta \\ \Delta \Delta \end{matrix} = ?$
 - $\begin{matrix} \circ \circ \circ \circ \\ \circ \circ \circ \circ \end{matrix}$
 - $\begin{matrix} \circ \circ \circ \\ \circ \circ \circ \end{matrix}$
 - $\begin{matrix} \circ \circ \circ \circ \circ \\ \circ \circ \circ \circ \circ \end{matrix}$
 - None of these
- $(21 \div 1) + 1 \times 7 - 2$
 - 24
 - 26
 - 28
 - None of these

- In winter, Mr. Hari's bee hives had 7,611 worker bees. When the spring came, the number of worker bees has grown by 7,032. About how many worker bees does he have now?
 - 15,000
 - 20,000
 - 30,000
 - None of these
- 30% of 750?
 - 40
 - 4
 - 6
 - None of these




MATHEMATICS

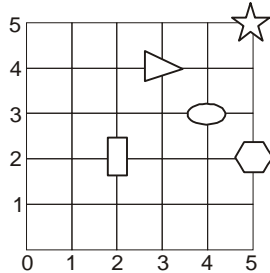
- $3\frac{3}{12}$?
 - $1\frac{4}{3}$
 - $1\frac{3}{4}$
 - $3\frac{1}{4}$
 - None of these

7. $\frac{4}{8} = ?$

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

8. Which figure is at (4, 3)?

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



9. How many minutes are there in $\frac{5}{6}$ of an hour?

- (1) 50 (2) 20
 (3) 35 (4) None of these

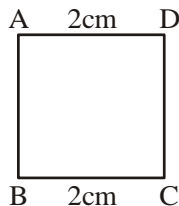
10. Mrs. Koyal has 1 kg of neem powder. She wants to put them into smaller packets of 200 g each. How many packets will she need?

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

11. The cooking club is making fruit salad for the class. They use 1kg apples, $\frac{1}{2}$ kg oranges, 1kg strawberries and $\frac{1}{2}$ kg banana. What is the weight of the fruit salad.

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

12. What is the perimeter of the square?



- (1) 8 cm (2) 7 cm
 (3) 12 cm (4) None of these

13. What is the area of the square of sides 4cm ?

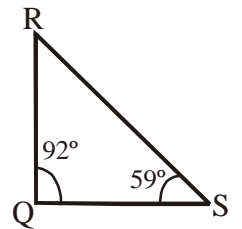
- (1) 8 cm² (2) 24 cm²
 (3) 16 cm² (4) None of these

14. Executing stoppages, the speed of a bus is 54 kmph and including stoppages it is 45 kmph. For how many minutes does the bus stop per hour?

- (1) 9 (2) 10
 (3) 12 (4) None of these

15. What is the measure of angle $\angle R$?

- (1) 39°
 (2) 29°
 (3) 19°
 (4) None of these



16. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

- (1) 3.6 (2) 7.2
 (3) 8.4 (4) None of these

17. $1 \times 9 + 1 = 10$

$12 \times 9 + 2 = 110$

$123 \times 9 + 3 = 1110$

$1234 \times 9 + 4 = 11110$

(1) $12345 \times 9 + 5 = 111110$

$123456 \times 9 + 6 = 1111110$

$1234567 \times 9 + 7 = 11111110$

$12345678 \times 9 + 8 = 111111110$

(2) $12345 \times 8 + 5 = 11110$

$123465 \times 9 + 6 = 11111110$

$1234567 \times 9 + 7 = 111110$

$12345678 \times 9 + 7 = 11111110$

(3) $12345 \times 9 + 5 = 11110$

$1234 \times 5 + 9 = 111110$

$123456 \times 6 + 7 = 11111110$

$1234567 \times 6 + 8 = 111110$

- (4) None of these

18. 6, 11, 16, 21, _____, _____, _____.
- (1) 26, 31, 16 (2) 36, 31, 6
 (3) 26, 31, 36 (4) None of these

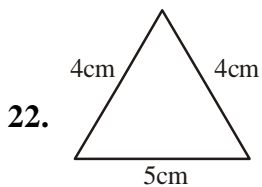
19. Ranjan started a marathon race at 8.30 am. He finished after 3 hours 32 minutes later. What time did he finish?
- (1) 12:01 pm (2) 12:02 pm
 (3) 11:04 pm (4) None of these

20. Neeraj bagged the plastic bottles after a recycling drive. He placed 4 bottles in the first bag, 12 bottles in the second bag, 36 bottles in the third bag and 108 bottles in the fourth bag. If this pattern continues how many plastic bottles will Neeraj put in the fifth bag.
- (1) 716 (2) 324
 (3) 424 (4) None of these

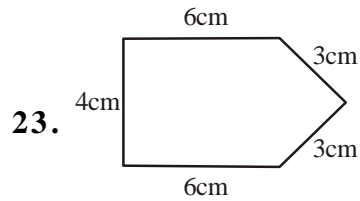
INTERACTIVE SECTION

21. Rupal had 20 books. $\frac{2}{5}$ of them were puzzle books. How many were puzzle books?
- (1) 8 (2) $\frac{18}{5}$
 (3) 10 (4) None of these

Find the perimeter of the figure shown below in Q. no. 22 and 23



- (1) 13 cm (2) 12 cm
 (3) 14 cm (4) None of these








- (1) 21 cm (2) 20 cm
 (3) 22 cm (4) None of these

Direction: (Q. 24 and 25)

The pictograph given below shows different cars sold by a dealer of 'Tata Motors' in a particular month. Read the pictograph and answer the questions.

1 Picture of car presents 50 cars

Tata Sumo	
Indica Diesel	
Indica Petrol	
Tata Safari	
Indigo	

24. How many Tata Sumo were sold?
- (1) 400 (2) 450
 (3) 500 (4) None of these
25. How many Indigo were sold?
- (1) 200 (2) 250
 (3) 150 (4) None of these



END OF THE EXAM