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**NATIONAL
INTERACTIVE
MATHS
OLYMPIAD**

NIMO

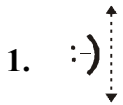
5
Class

B1
Paper
Code

IMPORTANT INFORMATION

- 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.

MENTAL ABILITY



Which of the following shows the image above reflected over the dotted line?

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

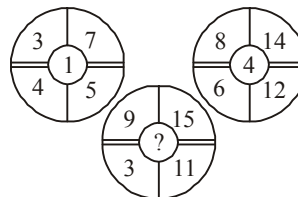
2. Which one of the following venn diagrams best illustrates the three classes : *Rhombus*, *Quadrilaterals*, *Polygons*?

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

3. Find the number which will come in the middle square.

2	9	4
7	?	3
6	1	8

- (1) 5 (2) 7
 (3) 16 (4) None of these
4. If \times stands for 'addition', \div stands for 'subtraction', $+$ stands for 'multiplication' and $-$ stands for 'division', then
 $20 \times 8 \div 8 - 4 + 2 = ?$
 (1) 80 (2) 25
 (3) 24 (4) None of these
5. Find the number which replaces the '?'.



- (1) 10 (2) 12
 (3) 33 (4) None of these

MATHEMATICS

6. $\frac{4}{6} + \frac{5}{6} = \square$

- (1) $\frac{3}{6}$ (2) $\frac{3}{2}$
(3) $\frac{9}{5}$ (4) None of these

7. $\frac{20}{25} = \square$

- (1) $\frac{4}{5}$ (2) $\frac{2}{25}$
(3) $\frac{20}{2}$ (4) None of these

8. $1\frac{2}{3} = \square$

- (1) $\frac{10}{6}$ (2) $\frac{4}{3}$
(3) $\frac{8}{6}$ (4) None of these

9. Choose odd one

- (1) $\frac{1}{10}$ (2) $\frac{5}{8}$
(3) $\frac{10}{100}$ (4) None of these

10. $\frac{1}{5}$ of 15 = \square

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

11. Round off 29.99 to the nearest whole number

- (1) 30 (2) 29
(3) 20 (4) None of these

12. Round off Rs 24.45 to the nearest rupees

- (1) 25 (2) 24
(3) 26 (4) None of these

13. Add the numbers given below

$500 + 50 + 0.3 = \square$

- (1) 550.3 (2) 553
(3) 55.3 (4) None of these

14. Find the difference of the greatest 5-digit number and the smallest 3-digit number

- (1) 99,000 (2) 99,899
(3) 89,900 (4) None of these

15. 2 Ltr 725 ml of kerosene was filled in a stove. If the stove used 610 ml of kerosene in an hour, how much of kerosene will be left in the stove after burning for 2 hours?

- (1) 2 Ltr (2) 2 Ltr 115 ml
(3) 1 Ltr 505 ml (4) None of these

16. The first basic Roman numeral is _____

- (1) X (2) I
(3) V (4) None of these

17. The Hindu-Arabic numeral for XVIII is

- (1) 18 (2) 27
(3) 38 (4) None of these

18. Which is neither a prime number nor a composite number .

- (1) 0 (2) 1
(3) 2 (4) None of these

19. $39.4 =$

- (1) $30 + 9 + \frac{4}{10}$ (2) $39 + \frac{4}{1000}$
(3) $30 + 94 + \frac{4}{10}$ (4) None of these

20. What is the next fraction in this sequence?

$\frac{6}{7}, \frac{5}{7}, \frac{4}{7}, \frac{3}{7}, \dots$

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

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