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FOUNDATION**

**CLASS
1**

**LEVEL - 1
Set A1**

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NATIONAL INTERACTIVE
MATHS OLYMPIAD™**

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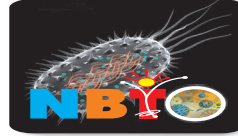
Roll No :

Class :

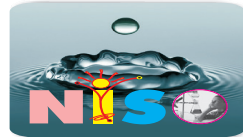
School :



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Level - 1 : All Level-1 successful* participants will get certificate, aptitude report 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. Winner will get merit certificate, medals, laptop, scholarship and other prizes.

Level - 3 Senior Class Toppers will qualify# for level-3-International level-where you will compete with students globally. Get selected for MIT-Harvard Maths Tournament (Online). Represent India & win laurels. Guidance by top scientists.



* # See prospectus/website for details

ROUGH WORK

Instructions for the Candidate

1. You are allowed additional 10 minutes to fill the required details in the RESPONSE SHEET (OMR).
2. The question paper is made as per syllabus guidelines & pattern given in the information Booklet. The Question Paper for Classes 1 to 6 contains 40 Questions each to be answered in 60 minutes. The Question paper for classes 7 to 12 contains 60 Questions each to be answered in 60 minutes. All questions are compulsory. Further instructions are given in the instruction letter to the teacher.
3. 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

1. Look at the picture given below. Which of the following sequence represents the given picture?



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

2.



Anil Ria Siddharth Anita

Which of the above is the correct order from shortest to tallest?

- (1) Ria, Siddharth, Anita, Anil
 (2) Siddharth, Ria, Anil, Anita
 (3) Anita, Anil, Ria, Siddharth
 (4) None of these



3. Deepika has _____ note.

Which of the following she can buy?

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

4.

Khristi



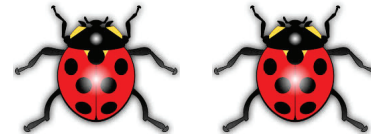
Dev



Dev and Krishti are playing a game. Dev asks Krishti to move 2 steps towards him. If Krishti is at 3rd step, where will she be after moving?

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

5. A beetle has 6 legs. How many legs do two beetles have?



- (1) 6
 (2) 10
 (3) 12
 (4) None of these

6.

What is the time?



- (1) 9
 (2) 12
 (3) 9:15
 (4) None of these

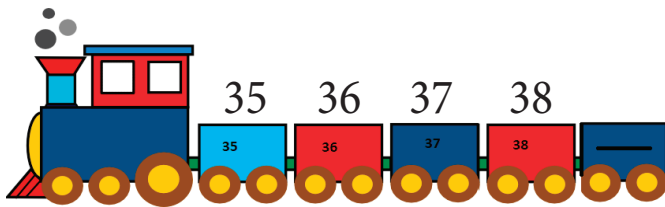
7. Complete the missing pattern:



What would be at a place of question mark?

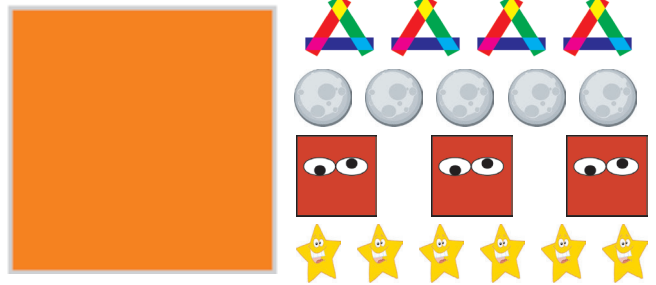
- (1) Star
- (2) triangle
- (3) circle
- (4) None of these

8. What comes next?



- (1) 40
- (2) 34
- (3) 39
- (4) None of these

9.



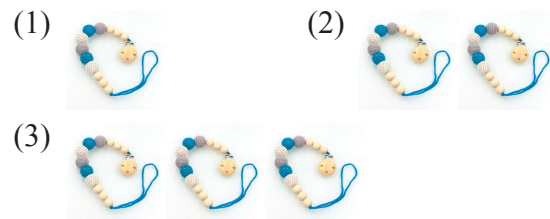
How many triangles are there?

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

10. You have five beads and you give away two.



Which figure shows the correct solution?



- (1) 3
- (2) 6
- (3) 9
- (4) None of these

MATHEMATICS

11. If $9 + 9 = 18$, what is $18 - 9$?

- (1) 0
- (2) 10
- (3) 9
- (4) None of these

12. Ritu has 6 pencils. She buys 4 more pencils. How many pencils does she have now?

- (1) 6
- (2) 2
- (3) 10
- (4) None of these

13. Anjali is thinking of a number. It has 7 groups of ten and 6 more. What is the number?

- (1) 76
- (2) 67
- (3) 66
- (4) None of these

14. Richa had 16 chocolates. She gave half of them to Ruchi. How many did Ruchi get?

- (1) 10
- (2) 8
- (3) 15
- (4) None of these

15. Find the missing numbers:

56, 57, _____, 59, _____, 61

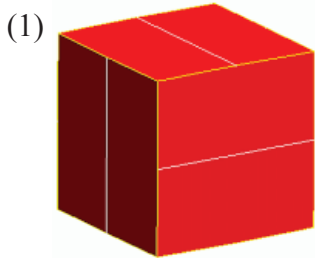
- (1) 58, 62
- (2) 55, 60
- (3) 58, 60
- (4) None of these

16. Count the triangles



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

17. Find the circle

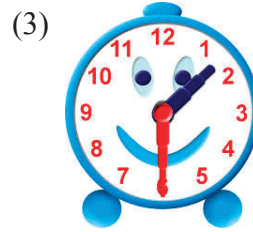
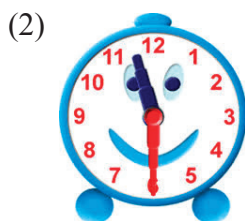
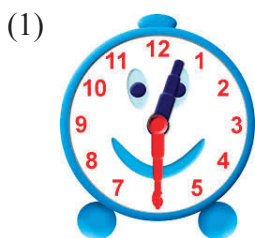


(4) None of these

18. Order the group of numbers from least to greatest

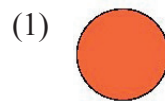
- (1) 47, 42, 51, 7
- (2) 47, 42, 7, 51
- (3) 7, 42, 47, 51
- (4) None of these

19. Choose the clock showing 12:30



(4) None of these

20. What comes after



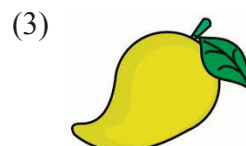
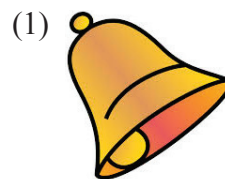
(4) None of these

21. Make two rupees by using one rupee coins



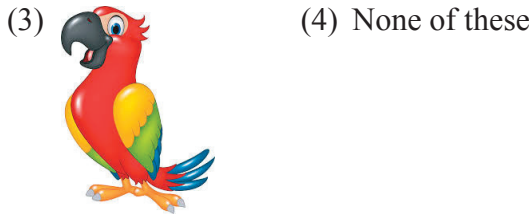
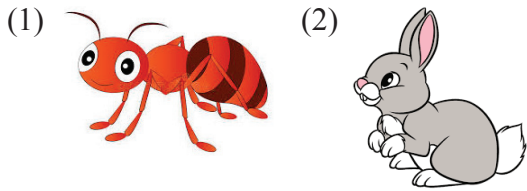
(4) None of these

22. Choose the flat object



(4) None of these

23. Find the smaller one

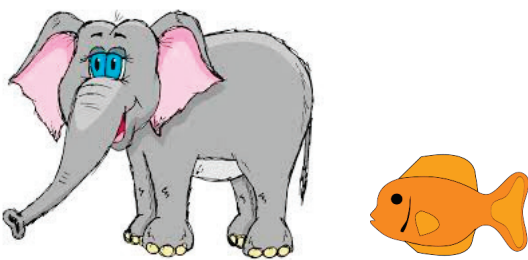


24. Pick out the heavy object



(4) None of these

25. What is on the left?



- (1) Fish (2) Elephant
(3) Both (4) None of these

26. How do you make 4?

- (1) $3 - 1$ (2) $4 + 0$
(3) $9 - 3$ (4) None of these

27. Which sign is missing?

$$7 \square 4 = 3$$

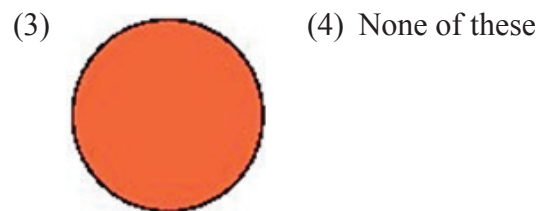
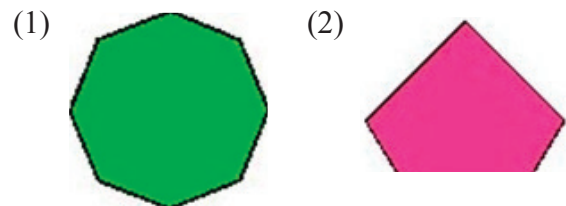
- (1) + (2) -
(3) \times (4) None of these

28. How many Thursdays are there in June?



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

29. Choose the shape that is NOT a closed figure.

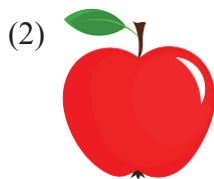


30. Ritu buys 3 pads of paper. Each pad has 10 sheets. How many papers did Ritu buy?

- (1) 10
(2) 20
(3) 30
(4) None of these

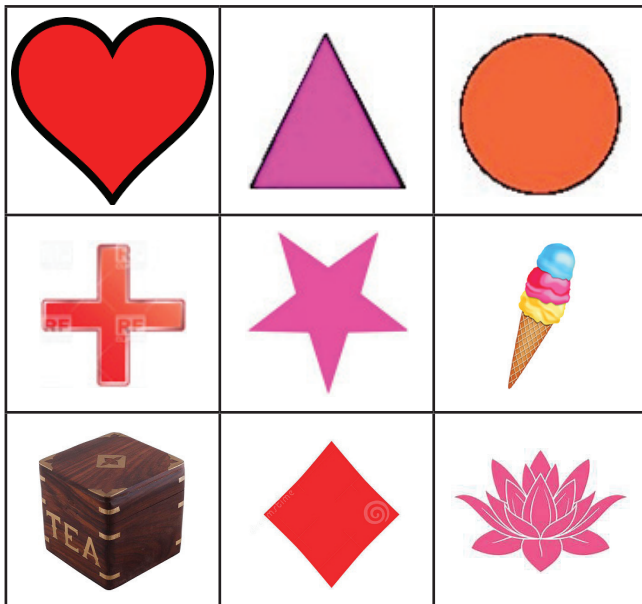
INTERACTIVE SECTION

31. Match the figure with its similar shape.



(4) None of these

32. Choose the shape in the top right



- (1) Circle
- (2) Icecream cone
- (3) Flower
- (4) None of these

33. Mehul saw the following balls at the sporting goods store:



He decided to count how many of each ball there were, so he made a table of the balls. Which is his table?

(1)

Balls		
How many?	3	4

(2)

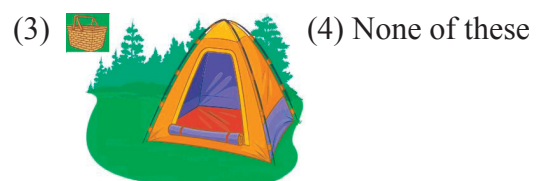
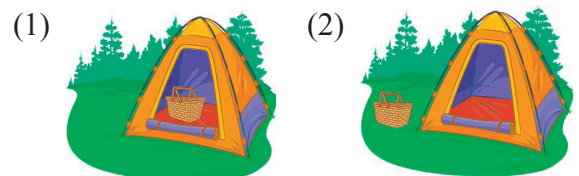
Balls		
How many?	5	3

(3)

Balls		
How many?	3	5

(4) None of these

34. Which picture shows the basket inside the tent?



35. On which colour is the spinner more likely to land?



- (1) White (2) Grey
 (3) White and Grey (4) None of these

36. Which object is shaped like a cone?



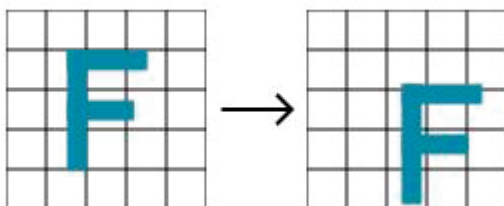
- (1) Bed (2) Cap
 (3) Gift (4) None of these

37. How many faces does this shape have?



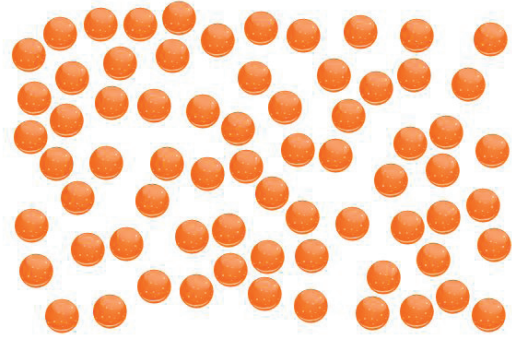
- (1) 2 (2) 4
 (3) 6 (4) None of these

38. What has been done to this letter?



- (1) Flip
 (2) turn
 (3) slide
 (4) none of these

39. How many marbles are there? Estimate.



- (1) About 40
 (2) About 70
 (3) Can't say
 (4) None of these

40. The table shows description of four Printers.

Printer	Specification
Printer 1	Prints 40 pages per minute
Printer 2	Prints 1 page every 3 seconds
Printer 3	Prints 30 pages per minute
Printer 4	Prints 3 pages per second

Which is the slowest?

- (1) Printer 1
 (2) Printer 2
 (3) Printer 3
 (4) Printer 4



END OF THE EXAM