Olympiad Foundation

SAMPLE PAPER CLASS 2nd

ओलम्पियाड फाउण्डेशन

OLYMPIAD FOUNDATION

MATHEMATIC OLYMPIAD

Division of Marks

S.No.	Topic/Section	No. of Question	Marks
1	Mathematics	25	25
2	HOTS (High Order thinking Skill)	10	10
3	Reasoning & Mental Ability	15	15
	Total	50	50

INSTRUCTIONS :

1. Use Blue/Black ballpoint pen only to darken the appropriate circle.

2. Mark should be dark and should completely fill the circle.

3. Dark only one circle for each entry.

4. Dark the circle in the space provided only.

5. Rough work must not be done on the answer sheet and do not use white- fluid or any other rubbing material on Answer sheet.
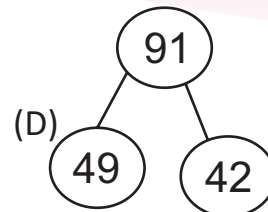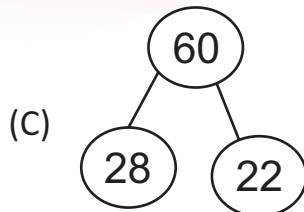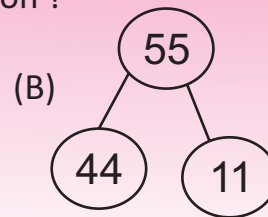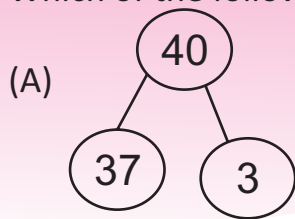
6. Each question carries one mark.

Select the correct answer and darken your answer in the table :

1. The number of even numbers in the following :_
    148, 705, 301, 810, 786, 551, 203, 164, 379, 842, 975, 322, 630, 333, 191, 880
    (A) 7   (B) 8   (C) 9   (D) 10

2. The difference b/w the place value of & in the numerals 875 (8) is -
    (A) 72   (B) 792   (C) 790   (D) 720

3. Choose the incorrect statement :-
    (A) 17 + 8 < 16 + 10   (B) 23 + 10 = 40 - 7
    (C) 11 + 12 > 29 - 5   (D) 61 + 5 = 55 + 11

4. If we take away 5 tens from 5 hundreds, we get -
    (A) 505   (B) 450   (C) 550   (D) 540

5. Choose the odd one out :
    (A) 13   (B) 17   (C) 31   (D) 28

6. The eleventh letter of the English alphabet is -
    (A) K   (B) J   (C) L   (D) M

7. In the given addition problem, the missing digit is -

    ```
        4   7   6
    +   1  □   4
        6   0   0
    ```

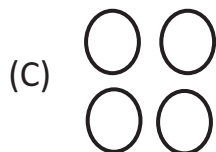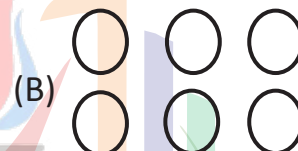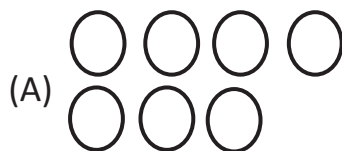   (A) 2   (B) 3   (C) 4   (D) 1

8. The number of all 3 digit number is -
    (A) 890   (B) 990   (C) 900   (D) 899

9. If 68 - 29 = 39, then 39 + 29 is equal to -
    (A) 39   (B) 29   (C) 68   (D) 78

10. One more than smallest 2 digit number is -
    (A) 10   (B) 11   (C) 12   (D) 13

11. The smallest 3 digit number using the digits 3, 9, 0 is -
    (A) 039   (B) 093
    (C) 390   (D) 309

12. A number is more than 20 + 30 but less than 45 + 15 the number is -
(A) 48   (B) 45   (C) 53   (D) 70

13. Which of the following gives incorrect solution ?

(A)
```
    40
   /  \
  37    3
```

(B)
```
    55
   /  \
  44   11
```

(C)
```
    60
   /  \
  28   22
```

(D)
```
    91
   /  \
  49   42
```

14. Which shows three times two ?

(A) ○○○○
    ○○○

(B) ○ ○○
    ○ ○○

(C) ○○
    ○○

(D) ○

15. 4 tens subtracted from and 7 tens and 4 ones gives us -
(A) 34   (B) 44   (C) 54   (D) 70

16. The third largest among the following is 484, 646, 488, 286, 268, 664
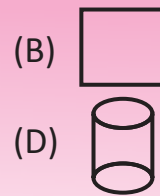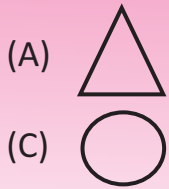(A) 646   (B) 448   (C) 484   (D) 488

17. If 42 ☐ 6 = 12 - 5, Which of the following can be filled in ☐ ?
(A) +   (B) -   (C) x   (D) /

18. The difference between the greatest 2 digit number and smallest 2 digit number is-
(A) 90   (B) 89   (C) 109   (D) 99

19. If yesterday was Sunday, what day of the weeks will be day after tomorrow ?
(A) Monday   (B) Tuesday   (C) Wednesday   (D) Thursday

20. 269 added to 548 gives -
(A) 718   (B) 817   (C) 818   (D) 820

21. Choose the odd one out :

(A) △

(B) ▢

(C) ○

(D) (cylinder)

22. If △ = ○○ and ○ = ▢▢, the △ is -

(A) ▢▢

(B) ▢▢▢

(C) ▢▢▢

(D) ▢▢▢▢▢

23. The next two numbers in the following sequence are 3, 10, 19, 30, 43 _____
(A) 56, 69   (B) 58, 73
(C) 58, 75   (D) 56, 75

24. What comes before 289 ?
(A) 871   (B) 972   (C) 288   (D) 387

25. What day comes after saturday ?
(A) Sunday   (B) Monday
(C) Tuesday   (D) Wednesday

26. Which season comes after spring ?
(A) Winter   (B) Summer
(C) Autumn   (D) Rainy

27. I am greater than 13 and less than 17. I am also greater than 15 and less than 20. What number am I ?
(A) 14   (B) 16   (C) 17   (D) 18

28. Tripta put 5 ten rupee coin exactly one on the other which shape did she get ?
(A) Cylinder   (B) Sphere
(C) Circle   (D) Cube

29. At 7:50, the minute hand is at -
(A) 9   (B) 12   (C) 10   (D) 5

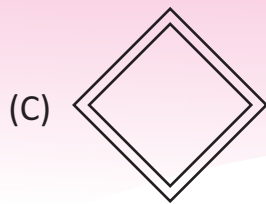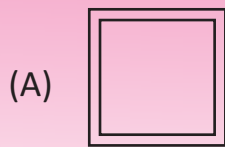30. Arrange the number in ascending order : 89, 98, 27, 21, 07
(A) 89, 98, 21, 27, 07
(B) 07, 21, 27, 89, 98
(C) 07, 27, 98
(D) None of these

4

31. Which figure is different from others ?

(A)

(B)

(C)

(D)

32. How many triangles are there in the figure given below :-

(A) 6   (B) 10   (C) 8   (D) 7

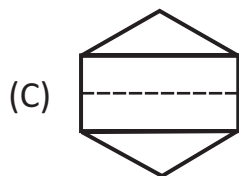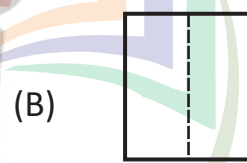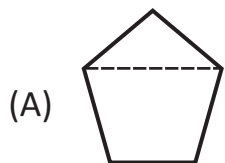33. Which of the following months of the year has 30 days ?
(A) 12th   (B) 9th   (C) 7th   (D) 3rd

34. Choose the odd one out :-

(A)

(B)

(C)

(D)

35. The number of legs of 8 rabbits is -
(A) 16 tens + 5 ones   (B) 32 ones
(C) 3 tens - 2 ones   (D) 2 tens - 4 ones

REASONING

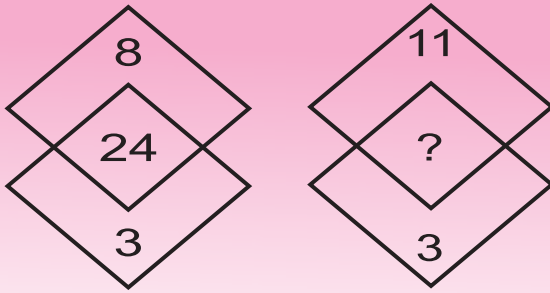36. Which of the following replaces the question mark (?) :-
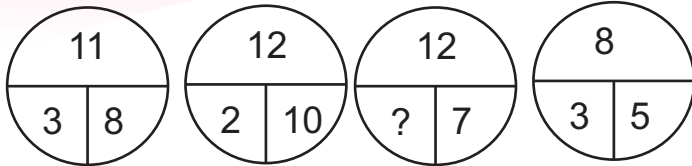

(A) 5   (B) 6   (C) 8   (D) 10
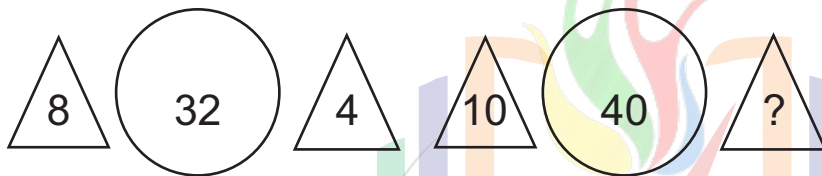
37.

(A) 14   (B) 33   (C) 20   (D) 35

38.

(A) 10   (B) 4   (C) 5   (D) 6

39.

(A) 12   (B) 5   (C) 8   (D) 4

40. Complete the number pattern :-

(A) 30   (B) 48   (C) 40   (D) 45
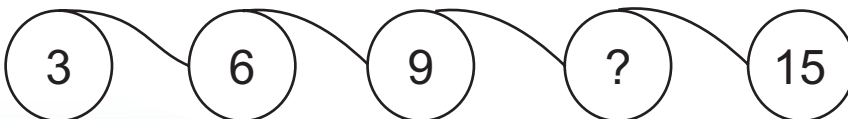
41. Find the next letter ?

A   B   D   A   Z   A   B   D   A   Z   A   _____

(A) A   (B) B   (C) D   (D) Z

42. Find the missing number ?

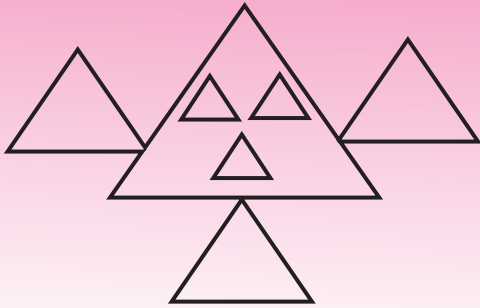(A) 10   (B) 11   (C) 12   (D) 16

43. Find the next number ?
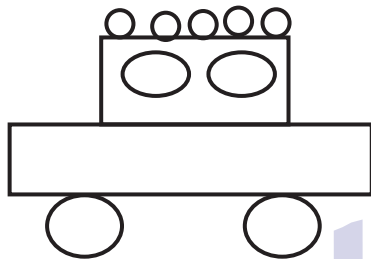
2 4 6 1 2 4 6 1 2 4 6 1 2 4 6 1 2 4 6 _____

(A) 2   (B) 4   (C) 6   (D) 1

44. The figure is made up of _____ triangles.

(A) 5   (B) 6   (C) 7   (D) 8

45. There are _____ circles in the figure.

(A) 9   (B) 8   (C) 7   (D) 6

46. Select the odd one out.

(A)

(B)

(C)

(D)

47. Find the odd one out :-

(A)

(B)

(C)

(D)

48. Number of rectangles in the figure.

(A) 5   (B) 6   (C) 7   (D) 8

49. Which month come after July ?
   (A) June   (B) August
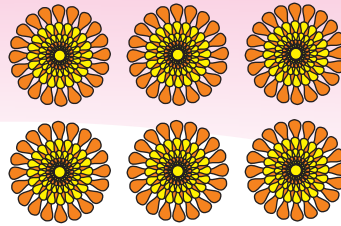   (C) October   (D) February

50. How many flowers will be there in the pattern 3 ?

Pattern 1   Pattern 2   Pattern 3

   (A) 7   (B) 8
   (C) 9   (D) 10

ANSWER KEY

1.	B	11.	D	21.	D	31.	D
2.	D	12.	C	22.	C	32.	C
3.	C	13.	A	23.	C	33.	B
4.	B	14.	B	24.	C	34.	A
5.	D	15.	A	25.	A	35.	B
6.	A	16.	D	26.	B	36.	A
7.	A	17.	D	27.	B	37.	B
8.	C	18.	B	28.	A	38.	C
9.	C	19.	C	29.	C	39.	D
10.	B	20.	B	30.	B	40.	B

41.	B
42.	C
43.	D
44.	C
45.	A
46.	A
47.	D
48.	B
49.	B
50.	C