Olympiad Foundation

SAMPLE PAPER CLASS 4th

OLYMPIAD FOUNDATION

ओलम्पियाड फाउण्डेशन

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 :

MATHEMATICS

1. In 1, 38, 416 which of the digit is at ten thousand place ?

    (A) 3   (B) 6

    (C) 4   (D) 8

2. What does XC stand for in Roman Numerals ?

    (A) 100 + 10   (B) 50 + 10

    (C) 100 - 10   (D) 50 - 10

3. 1,036 = 1,000 + 6 + $\boxed{?}$

    (A) 20   (B) 30

    (C) 25   (D) 35

4. If 14 thousand more than 58750 = $\boxed{?}$ - 29375, then the missing number is -

    (A) 43,155   (B) 43,505

    (C) 43,285   (D) 43,375

5. There are 90 toffees in a packet how many toffees are there in a dozen packets ?

    (A) 960   (B) 1200

    (C) 1080   (D) 1320

6. If 95 / 17, then find the Quotient Q and Remainder R

    (A) Q = 5, R = 6   (B) Q = 5, R = 10

    (C) Q = 6, R = 7   (D) Q = 6, R = 6

7. Which of the following is not the multiple of 8 ?
    (A) 8808   (B) 8088

    (C) 8148   2   (D) 7096

8. Which of these fraction is the greatest ?

   (A) 4/11   (B) 4/13   (C) 4/9   (D) 4/15

9. If 5/3 = */15, then the value of * is -

   (A) 30   (B) 20   (C) 25   (D) 15

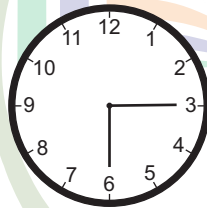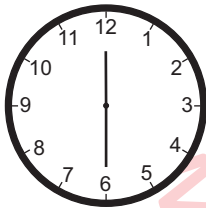10. Round of the sum of 28, 16 and 509 to the nearest whole number.

    (A) 33   (B) 33.30

    (C) 33.20   (D) 34

11. If the lost of 600 g of oranges in Rs. 40, then what is the cost of 3kg ?

    (A) 160   (B) 220

    (C) 200   (D) 240

12. How many seconds are there between the things shown by watch P and Watch Q ?

    (A) 15 seconds   (B) 4,500 seconds

    (C) 750 seconds   (D) 900 seconds

13. What is the time by 24 hour clock if it is 11:30 pm by my watch ?

    (A) 11:30   (B) 22:30

    (C) 21:30   (D) 23:30
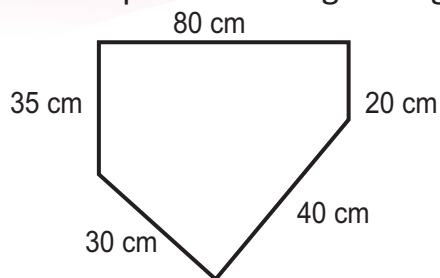
14. Which of the following polygons is a quadrilateral ?

    (A)   (B)

    (C)   (D)

15. Which of the following figures represents polygon ?

(A)

(B)

(C)
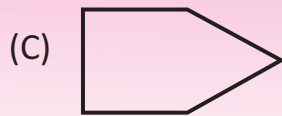
(D) None of these

16. Find the perimeter of given figure in meters.

(A) 20.50 cm

(B) 2.5 m

(C) 2.5 m

(D) 2.05 m

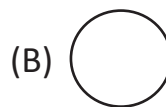17. What is the next number in the pattern given below ?

(A) 460

(B) 360

(C) 480

(D) 340

18. Which of the following has the most number of lines of symmetry ?

(A)

(B)

(C)

(D)

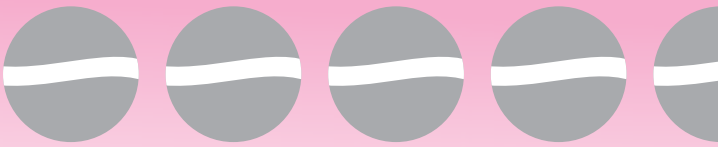19. Find the missing term in the given pattern ?
240, _____, 120, 40, 10, 2

(A) 480

(B) 220

(C) 240

(D) 120

20. If 1 balls represents 14 balls, then how many balls do -

(A) 63

(B) 50

(C) 7

(D) 21

21. Aryan had 132 tickets each ticket can be used by 6 people. How many people can use the tickets ?

(A) 610

(B) 685

(C) 792

(D) 22

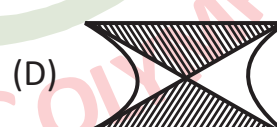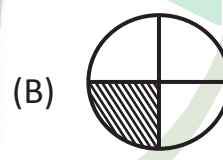22. Which number is the factor of every number ?

(A) 1

(B) 0

(C) Number itself

(D) None of these

23. Which shape does not show one quarter shaded ?

(A)

(B)

(C)

(D)

24. The sum of x and 21/13 is 23/13, find the value of x.

(A) 21/13

(B) 14/13

(C) 25/13

(D) 5/13

25. Find the correct value of the given expression.
LIV + XXV = ☐

(A) MCCCL

(B) DCCC

(C) MCXL

(D) MCCCX

5

26. Edda's birthday falls on 12th June, then if it is Monday on 28th March, 2015, then on what day will be her birthday in the same year ?

    (A) Monday   (B) Sunday

    (C) Saturday   (D) Friday

27. Convert Rs 5.0 to paise -

    (A) 400 paise   (B) 800 paise

    (C) 900 paise   (D) 500 paise

28. Moishe has a can of lemonade containing 400 ml. He drinks ¼ of it. How mach lemonade is left ?

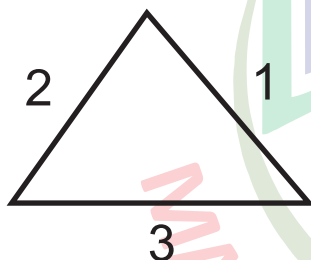   (A) 300 ml   (B) 400 ml

    (C) 1000 ml   (D) 1200 ml

29. Write the sum of all sides of a triangle :

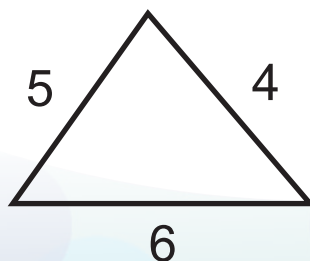   (A) 3   (B) 4

    (C) 5   (D) 6

30. What is the perimeter of the given triangle ?

    (A) 15 cm   (B) 16 cm

    (C) 6 cm   (D) 8 cm

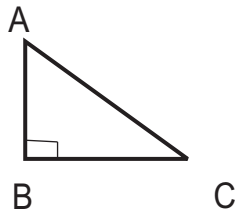31. The first 8 shapes of a pattern are shown below : What will be the next ?

(A)

(B)

(C)

(D)

32. Which of the following angels does the given figure contain ?

(A) Acute angle   (B) Right angle

(C) Obtuse angle   (D) All of these

33. The area of rectangle having length 8 cm and breadth 6 cm is -

(A) 40 sq cm   (B) 42 sq cm

(C) 48 sq cm   (D) 50 sq cm

34. Fill in the place holder with >, < = 0.258 _____ 0.285

(A) >   (B) <   (C) =   (D) None of these

35. What is the product of all the number on a telephone keypad ?

(A) 158480   (B) 159450   (C) 159480   (D) 0

REASONING AND MENTAL ABILITY

36. Choose the letter which is different in the group :

(A)
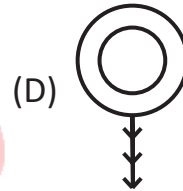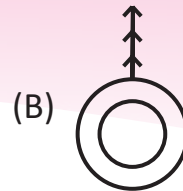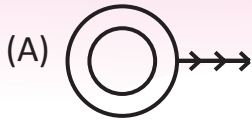
(B)

(C)

(D)

7

37. Egg : Eat : : Juice : _____

    (A) Throw

    (B) Drink

    (C) Sleep

    (D) None of these

38. Choose the odd one out from the group of -

    (A)

    (B)

    (C)

    (D)

39. Find the word which can be formed using the letter of the given word :
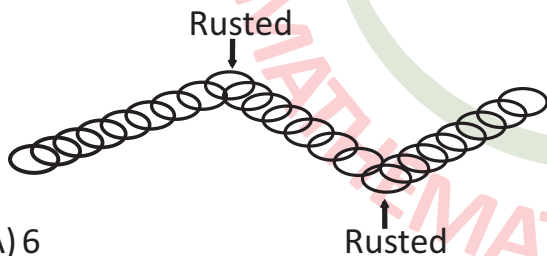   REPEAT

    (A) TREAT

    (B) PEAR

    (C) PINE

    (D) NEAT

40. A chain has 27 links 13th link from left end is rusted from the right end, 8th link is also rusted. How many links lie between these two rusted links ?

    (A) 6

    (B) 3

    (C) 8

    (D) 9

41. Find the missing letter written on the shut of paper -

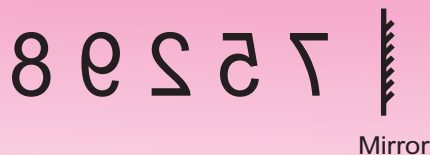 | P | D | G |
    |---|---|---|
    | Q | E | ? |
    | R | F | I |

    (A) H
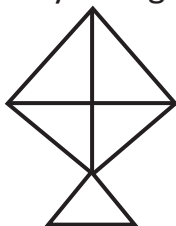
    (B) J

    (C) K

    (D) R

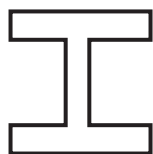42. What will be the number seen in the mirror of the car ?

75298

Mirror

(A) 75298

(B) 89257

(C) 75268

(D) 92576

43. How many triangle are there in the following figure ?

(A) 2

(B) 3

(C) 5

(D) 9

44. Count the number of lines in the given figure.

(A) 13

(B) 14

(C) 12

(D) 15

45. The option which makes the given figure symmetrical is -

(A)

(B)

(C)

(D)

46. Write the next term of the given pattern. 1133, 3355, 5577, _____ ?

(A) 5577

(B) 7755

(C) 7799

(D) 5599

47. A Circle has only one radius.

    (A) True   (B) False

    (C) Cannot say   (D) None of these

48. Which of the following alphabet has more than one line of symmetry ?

    (A) A   (B) X

    (C) M   (D) V

49. 33 has only two factors : 33 and 1

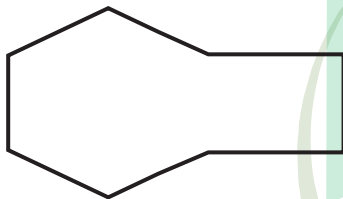   (A) True   (B) False

    (c) Not say   (D) None of these

50. In the given figure how many edges :

    (A) 9   (B) 8

    (C) 6   (D) 5

ANSWER KEY

1.	A	11.	C	21.	C	31.	B	41.	A
2.	C	12.	D	22.	A	32.	D	42.	A
3.	B	13.	D	23.	D	33.	C	43.	D
4.	D	14.	B	24.	A	34.	D	44.	B
5.	C	15.	C	25.	A	35.	D	45.	D
6.	B	16.	D	26.	B	36.	B	46.	C
7.	C	17.	C	27.	D	37.	C	47.	B
8.	C	18.	B	28.	A	38.	B	48.	B
9.	A	19.	C	29.	D	39.	B	49.	A
10.	A	20.	A	30.	A	40.	A	50.	A