MINDATHON MATHEMATICS OLYMPIAD (MMO)
CLASS- I

SAMPLE PAPER (2024)

Time: 1 hour   **Max Marks: 40**

General Instructions:
- There are a total of 35 questions in this test.
- Read each question carefully and answer all of them.
- All the answers must be correctly marked in the OMR sheet provided to you.
- Questions (1-30) carry one mark. Questions in the Mindathon Challenger's Zone (31-35) are worth 2 marks each.

SECTION A
Logical Quest

1. If tomorrow is 1st May, then what was the date yesterday?

    (a) 30th May
    (b) 30th April
    (c) 29th April
    (d) 31st April

2. If = , then what is the value of ?

    (a)
    (b)
    (c)
    (d)

3. The shape of a circle can be traced using_____

    (a) 　　(b)

    (c) 　　(d)

4. Select the odd one out.

    (a) 　　(b)

    (c) 　　(d)

5. Which is heavier- 1 kg apples or 1 kg cotton?

    (a) 1 kg apples

    (b) 1 kg Cotton

    (c) Both are same

    (d) Can't be determined

6. I am a number which when added to 14, gives 20. Who am I?

    (a) 15   (b) 14

    (c) 4   (d) 6

7. Shalu had ₹60 with her, but she lost one coin and now she is left with the following. Which coin she lost?

 + + + + ?

(a)

(b)

(c)

(d)

8. If ▭▭▭ = 6, ▭▭ = 4 then what will come in the missing area?

$$\frac{▭▭▭}{▭▭} - \frac{▭▭}{▭▭} = ?$$

(a) ▭▭

(b) ▭▭ ▭▭

(c) ▭▭▭

(d) ▭

9. Which number come next in the pattern 12, 15, 18, 21, ____

(a) 22

(b) 23

(c) 24

(d) 25

10. Ankit takes 1 hour to reach his office, If he has to reach by 9:00 am, at what time should he start from his home?

(a) 8 am

(b) 9 am

(c) 10 am

(d) 7 am

SECTION B
Reasoning and Aptitude

11. Which fish is not in the pond?
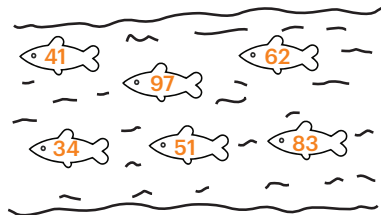
(a) Fifty one   (b) Eighty three

(c) Thirty Seven   (d) Sixty Two

12. Rohit has 3 tens 5 ones number. of toffees and Renu has 5 ones 8 tens number of toffees while Komal has 8 tens 3 ones number of toffees. Who has the maximum numbers of toffees?

(a) Rohit   (b) Komal

(c) Renu   (d) All have equal number of toffees

13. Meera jumps three steps from zero and then 4 jumps more towards right side. Where will she reach?
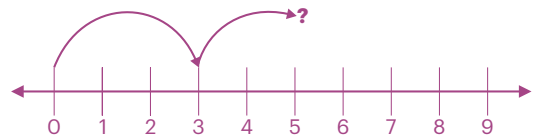
(a) 7   (b) 3

(c) 8   (d) 5

14. Which of the following abacus shows the sum of 12 and 3?

(a)   (b)

(c)   (d)
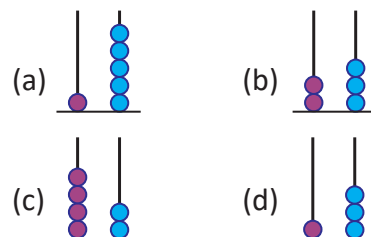
15. How many flowers you will cross out (x) to show that 12 - 5 = 7 ?

(a) 7   (b) 12

(c) 10   (d) 5

16. The puppy is____bricks heavier than the cat.

(a) 5   (b) 9

(c) 4   (d) 6

17. Indentify which tapes have same length in the given figure?

(a) P and Q   (b) Q and R

(c) P and R   (d) All three are same

18. Three hours after 10 am will be_____.

(a) 12 pm

(b) 12 am

(c) 12 noon

(d) 12 midnight

19. Preeti has 5 notes of ₹20 each. How much total money she has?

(a) ₹40

(b) ₹50

(c) ₹80

(d) ₹100

20. What comes next in the pattern?

(a) ◯   (b) △

(c) ▢   (d) ▢

SECTION C
Mathematics in Action

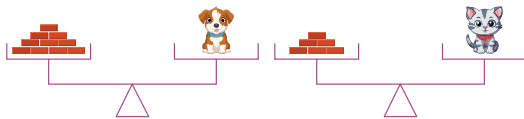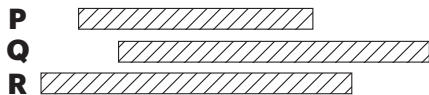21. A rabbit jumps on a line marked from 0 to 15. Where will he land next?
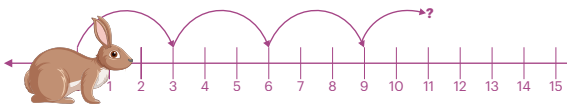
(a) 10   (b) 12

(c) 14   (d) 15

22. Which is the following is greatest?

(a) 23 Ones   (b) 3 Tens 2 Ones

(c) 2 Tens 2 Ones   (d) Thirty three

23. Mannat spent ₹25 on a key chain and ₹32 on a ball. How much money she spent in total?

(a) ₹52   (b) ₹57

(c) ₹60   (d) ₹28

24. John pays ₹50 to the shopkeeper and buys a mug 🍵 for ₹30 and a

(a)   (b)

₹20   ₹15

(c)   (d)

₹10   ₹30

25. If = 8, = 6, = 4, then which of the following is correct?

(a)   (b

(c)   (d)

26. Sanju wanted to collect 55 stamps with her. If she has already collected 32 stamps, how many she needs more?

(a) 13   (b) 23
(c) 33   (d) 87

27. The distance between Kartik's house and school is 7 Km. He travels 6 km by bus and rest by foot. How much he travels by foot?

(a) 1 Km   (b) 2 Km
(c) 6 Km   (d) 7 Km

28. Rohit had his exam on 11th February. Now if his next exam is after 7 days, then the next exam is on which day?

(a) 18th February   (b) 12th February
(c) 17th February   (d) 19th February

29. Pinki spent ₹90 on buying balloons which are for ₹65 and some chips also, what is the cost of chips?

(a) ₹35   (b) ₹25
(c) ₹65   (d) ₹45

30. What is the date on the third Saturday of the month?

(a) 14th September
(b) 21st September
(c) 15th September
(d) 22nd September

September						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

SECTION D
Mindathon Challenger's Zone

31. Shapes_____and_____will combine to form a square.

(P)   (Q)   (R)   (S)

(a) P and Q   (b) Q and S
(c) P and R   (d) P and S

32. Kusum had ₹100 with her. She bought a toy for ₹25, a key chain for ₹30 and an ice-cream for ₹15. How much money is left with her?

(a) ₹30   (b) ₹40   (c) ₹35   (d) ₹20

33. Mohit leaves the school at 7 o' Clock in the morning and comes back home at 3 o' Clock. For how much time he was outside the house?

(a) 8 Hours   (b) 7 Hours
(c) 4 Hours   (d) 10 Hours

34. If = 1 Kg, then weight of = __kg

(a) 1 Kg   (b) 2 Kg
(c) 3 Kg   (d) 5 Kg

35. Replace △ and ☆ with appropriate sings:

17 △ 3 = 23 ☆ 3

(a) △ = +, ☆ = -   (b) △ = -, ☆ = +
(c) △ = +, ☆ = +   (d) △ = -, ☆ = -

ANSWER KEYS

1.	c	2.	b	3.	a	4.	d	5.	c	6.	d	7.	c	8.	a	9.	c	10.	a
11.	c	12.	c	13.	a	14.	a	15.	d	16.	c	17.	b	18.	c	19.	d	20.	b
21.	b	22.	d	23.	b	24.	a	25.	b	26.	b	27.	a	28.	a	29.	b	30.	b
31.	b	32.	a	33.	a	34.	b	35.	a												

ANSWER SHEET

Mindathon Olympiad Foundation

Filling of all columns completely & accurately is compulsory

1. STUDENT NAME (IN ENGLISH CAPITAL LETTERS ONLY)

IMPORTANT: *PLEASE FILL IN SCHOOL CODE, CLASS & Registration NO. CORRECTLY FOR COMPUTATION OF RESULT.*

PERSONAL DETAILS

2. SCHOOL CODE

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
0 1 2 3 4 5 6 7 8 9

3. CLASS

0 1 2 3 4 5 6 7 8 9

4. STUDENT REGISTRATION NUMBER

Registration No. is the number found on your Admit Card. This is the same no. that was generated when you registered.

(Write your Registration no. in the boxes and darken the circles)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
0 1 2 3 4 5 6 7 8 9

5. GENDER

MALE ○
FEMALE ○

USE 2B PENCIL

OR

USE BLUE/ BLACK BALL POINT PEN

MARK YOUR ANSWERS

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
5. (A) (B) (C) (D)
6. (A) (B) (C) (D)
7. (A) (B) (C) (D)
8. (A) (B) (C) (D)
9. (A) (B) (C) (D)
10. (A) (B) (C) (D)
11. (A) (B) (C) (D)
12. (A) (B) (C) (D)
13. (A) (B) (C) (D)
14. (A) (B) (C) (D)
15. (A) (B) (C) (D)
16. (A) (B) (C) (D)
17. (A) (B) (C) (D)
18. (A) (B) (C) (D)
19. (A) (B) (C) (D)
20. (A) (B) (C) (D)
21. (A) (B) (C) (D)
22. (A) (B) (C) (D)
23. (A) (B) (C) (D)
24. (A) (B) (C) (D)
25. (A) (B) (C) (D)

26. (A) (B) (C) (D)
27. (A) (B) (C) (D)
28. (A) (B) (C) (D)
29. (A) (B) (C) (D)
30. (A) (B) (C) (D)
31. (A) (B) (C) (D)
32. (A) (B) (C) (D)
33. (A) (B) (C) (D)
34. (A) (B) (C) (D)
35. (A) (B) (C) (D)

THIS COLUMN IS FOR CLASSES 6 & ABOVE

36. (A) (B) (C) (D)
37. (A) (B) (C) (D)
38. (A) (B) (C) (D)
39. (A) (B) (C) (D)
40. (A) (B) (C) (D)
41. (A) (B) (C) (D)
42. (A) (B) (C) (D)
43. (A) (B) (C) (D)
44. (A) (B) (C) (D)
45. (A) (B) (C) (D)
46. (A) (B) (C) (D)
47. (A) (B) (C) (D)
48. (A) (B) (C) (D)
49. (A) (B) (C) (D)
50. (A) (B) (C) (D)
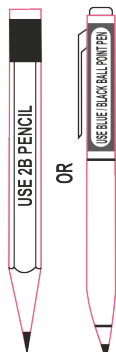
Signature of the Student & Date of Examination

Signature of the Invigilator & Date of Examination