

# Mindbenz Logical Reasoning Olympiad (MLRO)

## Sample Paper

### Grade- 4

Maximum Marks: 40

Time Allowed – 45 Minutes

#### Section: A Basic of Logic (10 Questions × 1 mark = 10 marks )

1. If '**EYES**' is called '**NOSE**', '**NOSE**' is called '**MOUTH**', '**MOUTH**' is called '**EARS**', and '**EARS**' is called '**EYES**', then what do you smell with?

- A. NOSE
- B. MOUTH
- C. EARS
- D. EYES

2. Which of the following words will come **first** in the dictionary?

- A. CANDLE
- B. CAMEL
- C. CAMP
- D. CANAL

3. If the positions of boats Q and W are interchanged, then which boat will be fourth to the right of P?

 M,  N,  O,  P,  Q,  R,  S,  T,  U,  V,  W,  X,  Y,  Z

- A. R
- B. S
- C. T

D. Q

4. A person is facing **East**. They turn **90° clockwise**. Which direction are they facing now?

A. North

B. South

C. West

D. South-East

5. What comes next in the sequence?

14, 25, 47, 91, 179 ?

A. 234

B. 355

C. 401

D. 412

6. If today is **Wednesday, 12 January**, what will be the day on **25 January**?

A. Sunday

B. Monday

C. Tuesday

D. Wednesday

7. Rohan started working on his project on 10th June 2025. His teacher asked him to submit the project on the third day after the third Wednesday of June 2025. On which date will he submit his project?

*June* 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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					

A. 25<sup>th</sup> June

B. 23<sup>rd</sup> June

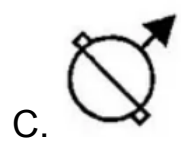
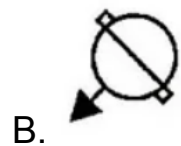
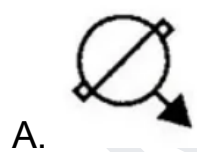
C. 24<sup>th</sup> June

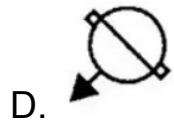
D. 21<sup>th</sup> June

8. Find the correct mirror image of the Fig.(X), when the mirror is placed on the line AB?

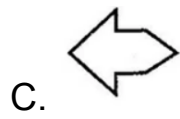
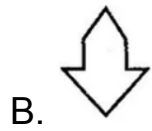
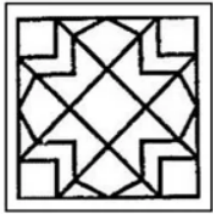


Fig.(X)

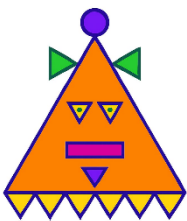




9. Find out that answer figure in which the question figure is embedded.



10. The number of triangles in the given image are-



A. 14

B. 10

C. 12

D. 13

**Section: B Application Zone (10 Questions × 1 mark = 10 marks )**

11. Which of the following words **cannot** be formed using the letters of the word **MATHEMATICS**?

- A. THEM
- B. MATCHES
- C. MATH
- D. CHAMP

12. The codes for some letters are given below:

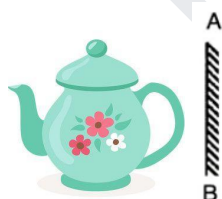
Letters	A	B	C	D	E	F	G	H
---------	---	---	---	---	---	---	---	---

Codes	%	@	#	*	&	\$	^	~
-------	---	---	---	---	---	----	---	---

Find the code for the word "FACE".

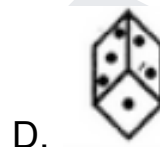
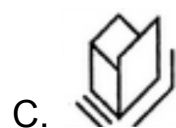
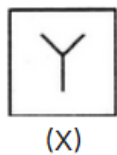
- A. \$ % # &
- B. \$ & # %
- C. \$ \* % &
- D. \$ @ & #

13. Find the correct mirror image of the given figure.





14. Find out the figure which contains figure (X) as its part.



15. What comes next in the sequence?

25, 49, 121, 169, ?

A. 212

B. 198

C. 289

D. 304

16. Priya points to a girl and says, “She is the daughter of my father’s sister.”

After walking 4 km east, she meets her.

In which direction is **Priya's home** from her current position?

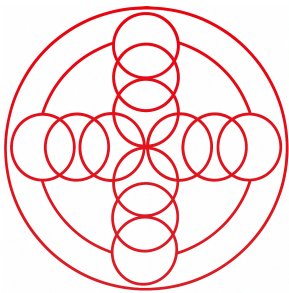
A. West

B. North

C. East

D. South

17. How many circles are there in the given image.



A. 18

B. 14

C. 10

D. 13

18. If today is Wednesday, 5th July, what will be the day on 20th July?

A. Tuesday

B. Wednesday

C. Thursday

D. Friday

19. If the English alphabet is written in reverse order, which letter will be 5th to the right of the 10th letter from the left?

A. L

- B. M
- C. N
- D. O

20. On 1st January 2022, it was a Saturday. What day of the week will be on 1st January 2026?

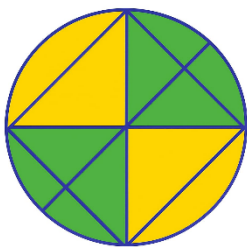
- A. Thursday
- B. Friday
- C. Saturday
- D. Sunday

**Section: C Logical Mastery (10 Questions × 2 mark = 20 marks )**

21. The day after tomorrow is Friday. What day was it three days before yesterday?

- A. Sunday
- B. Monday
- C. Tuesday
- D. Wednesday

22. How many triangles are containing in the given image?



- A. 12



B. 14

C. 10

D. 13

23. Which of the following words **cannot** be formed from the letters of the word:

### TRANSFORMATION

A. FORMAT

B. INFORM

C. TRANSIT

D. MASTER

24. If **ELEPHANT** is coded as **FOX**, **FOX** is coded as **DEER**, **DEER** is coded as **LION**, **LION** is coded as **RABBIT**, and **RABBIT** is coded as **ELEPHANT**, then what is the animal with the longest trunk called in this code?

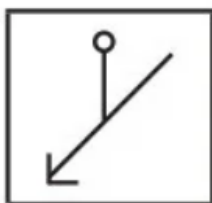
A. Fox

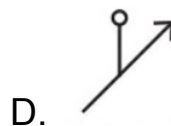
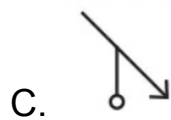
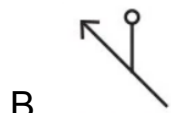
B. Deer

C. Lion

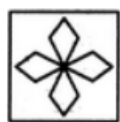
D. Rabbit

25. Find the correct water image of the given figure below.

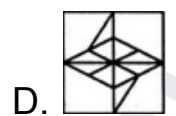
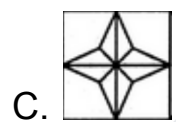
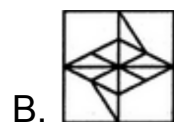
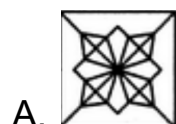




26. Find out the figure which contains figure (X) as its part.



(X)



27. Find the missing number in the series:

4, 18, \_\_\_\_, 100, 180, 294, 448

A. 66

B. 48

C. 54

D. 76

28. There are 6 family members:

- **X** is the son of **Y**.
- **Z** is the wife of **Y**.
- **A** is the sister of **X**.
- **B** is the daughter of **Z**.
- **C** is the brother of **B**.

If **Z** walks 6 km south and then 8 km west, where is **Y** from **Z**'s final position assuming **Y** didn't move?

- A. North-East
- B. South-East
- C. North-West
- D. South-West

29. In a race, **A** finishes after **B** but before **C**. **E** finishes before **B** but after **D**.

Who finishes **first** among A, B, C, D, and E?

- A. A
- B. B
- C. D
- D. E

30. Riya's birthday is **3 days after the third Friday of November**.

Ananya's birthday is **5 days before Riya's birthday**.

On which date does **Ananya** celebrate her birthday?



- A. 15<sup>th</sup> November
- B. 13<sup>th</sup> November
- C. 19<sup>th</sup> November
- D. 12<sup>th</sup> November

**Answer key-**

- |      |       |       |       |       |
|------|-------|-------|-------|-------|
| 1. B | 7. D  | 13. C | 19. A | 25. A |
| 2. B | 8. C  | 14. A | 20. A | 26. A |
| 3. C | 9. A  | 15. C | 21. A | 27. B |
| 4. B | 10. C | 16. A | 22. A | 28. A |
| 5. B | 11. D | 17. D | 23. D | 29. C |
| 6. C | 12. A | 18. C | 24. D | 30. C |