BLOOM Mathematics
Olympiad (BMO)
Question Paper 2023-24

Class 1

Total Questions: **35 + 3** (Tie-Breaking Section)

Total Time Allotted :
60 minutes

Total Marks
35

Instructions

1. There are **35 Multiple Choice Questions** in this booklet having 4 options out of which **ONLY ONE** is correct.

2. 1 Mark will be allotted for each correct answer.

3. All questions are compulsory. There is **NO negative** marking for incorrect answers.

4. Total time allotted to complete the paper is 60 minutes.

5. Please fill in your details in the space provided on this page before attempting the paper.

OMR Sheet Instructions

1. Before starting the paper, fill in all the details in the OMR Sheet.

2. Additional 10 minutes will be provided to fill up the OMR sheet, before the start of the exam.

3. Use HB Pencil to darken the circle of the correct Option in OMR sheet. The correct way to darken the circle in OMR sheet is shown below

   ● ○ ○ ○

4. Use black or blue ball point pen/HB pencil to fill the information in the OMR sheet. Partially filled OMR sheet will not be checked.

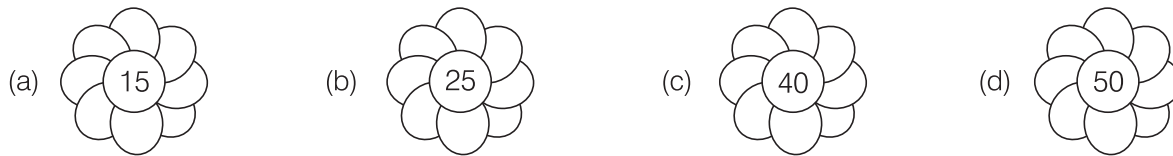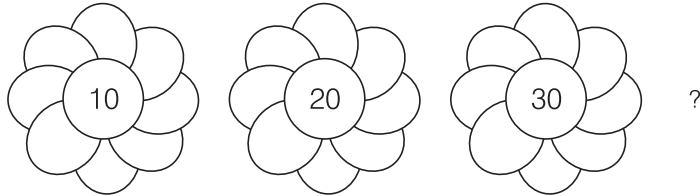5. Return the OMR sheet to the invigilator after the exam.

CODE#1

M1

BLOOM CAP
Founded by | arihant

1. Jerry climbs a tree to pluck a mango that is at a height of 4 meters. He has climbed 2 meters on the tree. How much more does he have to climb?

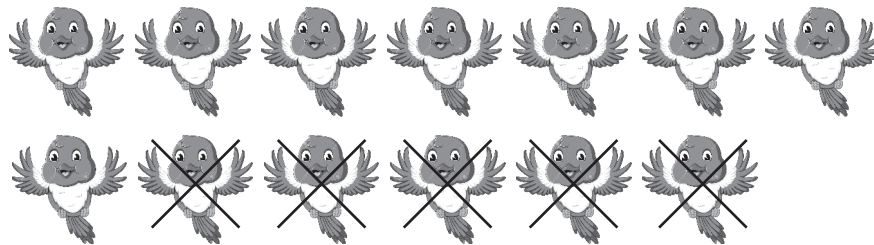(a) 2 meters (b) 1 meter (c) 3 meters (d) 5 meters

2. Complete the number pattern.

(a) 15 (b) 25 (c) 40 (d) 50

3. A cat and a rat has weight 19 kilograms altogether. If cat's weight is 15 kilograms, then what is rat's weight?

(a) 3 kilograms (b) 4 kilograms
(c) 2 kilograms (d) 5 kilograms

4. Select the correct number statement

(a) 12 – 6 (b) 12 – 5 (c) 13 – 5 (d) 13 – 6

5. Rani has 20 dresses. Ragni has 7 dresses less than Rani. How many dresses does Ragni have?
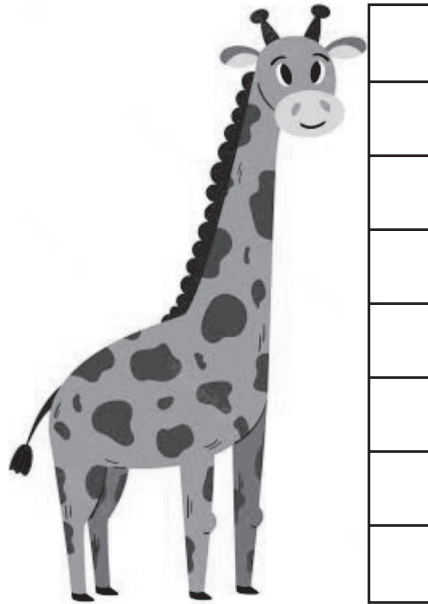
(a) 15 (b) 13 (c) 17 (d) 12

6. Rohini has 8 pairs of hairbands. Her father gifts her another 8 pairs of hairbands on her birthday. How many pairs of hairbands does she have now?

(a) 22 (b) 24 (c) 32 (d) 16
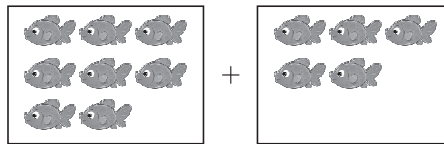
7. Which of these numbers is the greatest?

(a) 12 + 3 (b) 11 + 6 (c) 10 + 1 (d) 11 + 7

8. Which of the following option represents the height of giraffe in units if 1 Block = 1 unit?

(a) 6 units   (b) 9 units   (c) 7 units   (d) 8 units

9. Observe the image given below and add

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

10. Which number will replace the (?) in the middle star given below?

(a) 6   (b) 7   (c) 8   (d) 4

11. Which of these toys can Milly buy, if she has 75 Rupees with her?
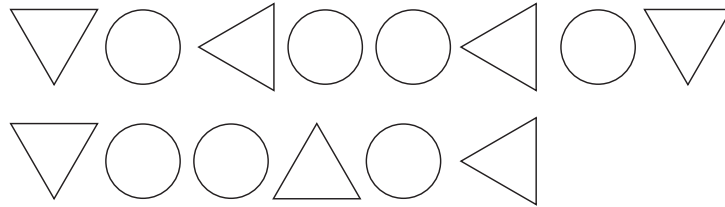
(a) 95   (b) 65   (c) 135   (d) 105

12. The length of a rectangular tank is 9 meters more than its breadth. The breadth of the tank is 16 meters. Then, the length of the tank is
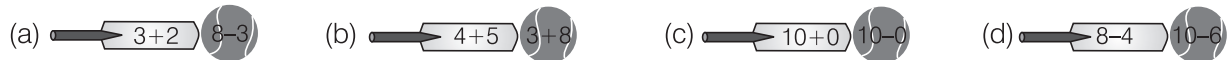
(a) 19 meters　　　　(b) 26 meters　　　　(c) 25 meters　　　　(d) 15 meters

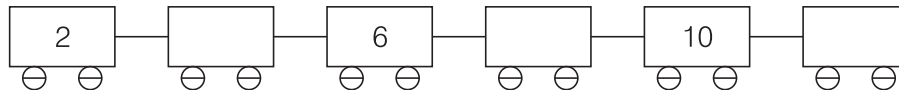**13.** How many round structures are there in the figure given below?

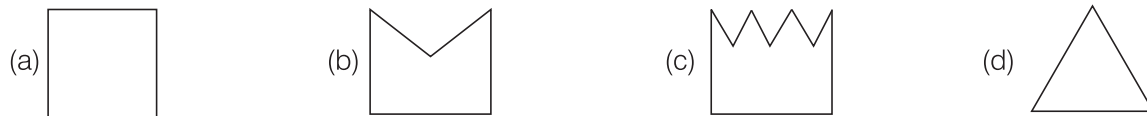(a) 6　　　　(b) 5　　　　(c) 7　　　　(d) 8

14. Select the incorrect match.

(a) $3+2$　$8-3$　　(b) $4+5$　$3+8$　　(c) $10+0$　$10-0$　　(d) $8-4$　$10-6$

15. Fill in the boxes by counting 2.

| 2 | | 6 | | 10 | |

(a) 3, 7, 9　　　　(b) 4, 8, 11　　　　(c) 4, 8, 12　　　　(d) 3, 7, 12

16. Which of the following figure has 5 sides?

(a)　　　　(b)　　　　(c)　　　　(d)

17. The second largest number in the given number is

98, 78, 64, 32, 56, 69, 100, 58
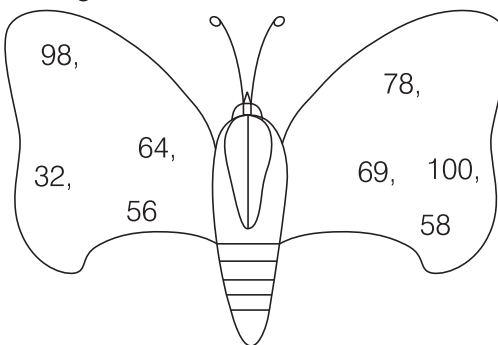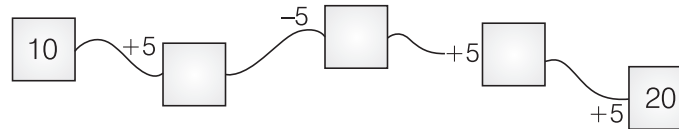
(a) 78　　　　(b) 69　　　　(c) 98　　　　(d) 58

18. Which of the following number will come just before the circled number?
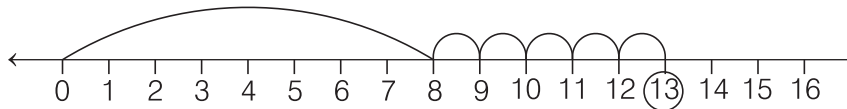
(a) 11   (b) 12   (c) 14   (d) 10

19. Fill in the box by adding or subtracting the numbers.

(a) 15, 10, 15   (b) 10, 15, 20   (c) 10, 15, 10   (d) 15, 20, 25

20. A monkey climbed on a pole of height 8 meters and a crow is sitting on the top of a pole of height 20 meters. Who is on the greater height?

(a) Monkey   (b) Crow

(c) Both are on the same height   (d) None of these

21. Krish has 18 meters long wire. He cuts a piece of 9 meters and gives it to Heena. How much wire Krish has now?
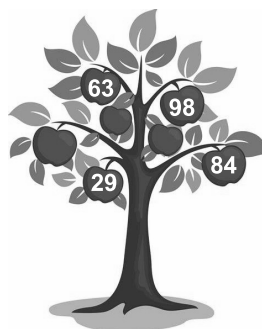
(a) 10 meters   (b) 7 meters   (c) 9 meters   (d) 8 meters

22. There are 10 balls in each of the boxes given below. If balls of both the boxes are counted together, then which of the following option is correct?

Box-1   Box-2
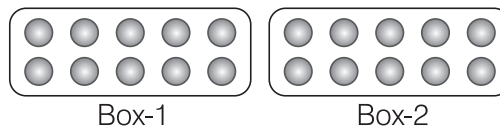
(a) One ten   (b) Two tens   (c) Three tens   (d) Four tens

23. Which of the following numbers is not on the tree?

(a) Ninety-eight   (b) Eighty-four

(c) Twenty-nine   (d) Thirty-six

24. Tiya has different types of flowers. She has 3 more red roses than yellow roses and 5 more yellow roses than pink roses. If she has 5 pink roses, then what is the total number of flowers with her?

(a) 13   (b) 15   (c) 28   (d) 29

25. Anuradha has 9 chocolates. Her friend Kajal has two times chocolates than her. How many chocolates does Kajal have?
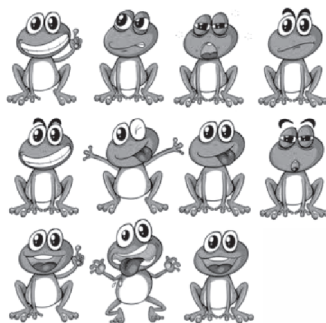
(a) 19   (b) 18   (c) 17   (d) 28

26. Complete the counting of ten

10	20	30	40	50	60	70	

(a) 80   (b) 90   (c) 75   (d) 100

27. How many frogs will be left out of the given frogs below if we keep 4 frogs in each group?

(a) 2   (b) 1   (c) 3   (d) 0

28. The number of candles on the cake denotes the age of the four friends, A, B, C and D. Who is the youngest of the four?

A   B   C   D

(a) B   (b) C   (c) A   (d) D

29. Find A and B respectively, if

$$\begin{array}{r} A\,B \\ -\ 8 \\ \hline 0\,4 \end{array}$$

(a) 2, 4   (b) 1, 2   (c) 1, 3   (d) 1, 5

30. Find P

$$\begin{array}{r} P \\ +\ 5 \\ \hline 10 \end{array}$$
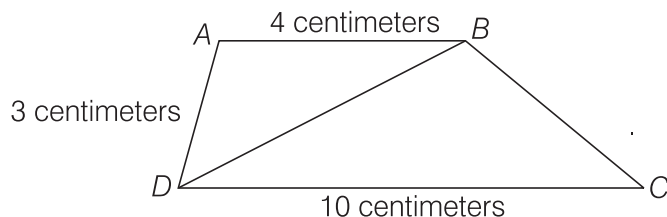
(a) 4   (b) 5   (c) 8   (d) 7

31. Rekha has 🍦🍦🍦🍦🍦🍦🍦 Karan has 🍦🍦🍦🍦🍦🍦🍦🍦🍦🍦🍦.

How many ice-creams do they have altogether?

(a) 9   (b) 10   (c) 19   (d) 18

32. Match the following

i.	Fifty-Four	p	32
ii.	Thirty-Two	q	65
iii.	Sixty-Five	r	54

(a) (i) → q, (ii) → p, (iii) → r   (b) (i) → r, (ii) → q, (iii) → p

(c) (i) → r, (ii) → p, (iii) → q   (d) (i) → p, (ii) → r, (iii) → q

Directions (Q 33 and Q 34) Study the diagram below and answers the following questions.

33. The length of *BD* is 1 centimeter less than the total length of *AB* and *AD*.
CD is _____ centimeter longer than *BD*.

(a) 4 centimeters   (b) 5 centimeters

(c) 8 centimeters   (d) 9 centimeters

34. The length of *BC* is 5 less than *CD*. What is the length of *BC*?

(a) 6 centimeters   (b) 5 centimeters

(c) 7 centimeters   (d) 8 centimeters

35. Which tree has apples more than 9 but less than 11?

(a)   (b)   (c)   (d)
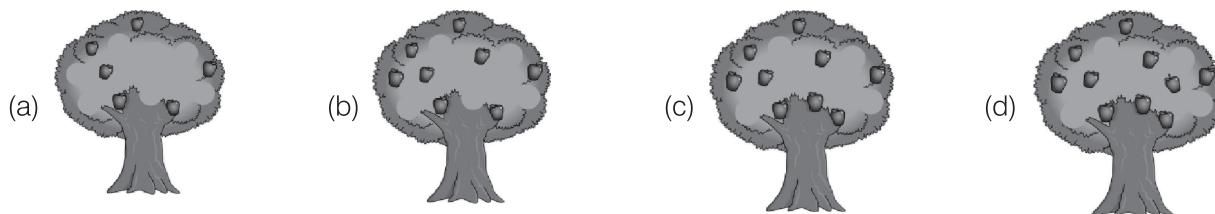
Tie-Breaking Section

Instructions

1. This section consists of 3 questions.
2. The score achieved in this section will not be included in the total marks.
3. If overall marks of two or more students are same, winner will be decided based on the score in this section.
4. Participation in this section is optional, and students may choose to attempt it or not.

1. Fill in the blank

20, 18, ___, ___, 12, 10

(a) 15, 14   (b) 16, 14

(c) 19, 20   (d) 14, 13
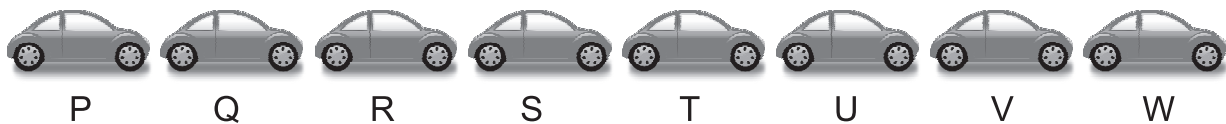
2. Select the odd one out

(a) 1 + 3 + 2   (b) 2 + 4 + 1

(c) 1 + 2 + 3   (d) 4 + 1 + 1

3. Study the figure carefully.

| P | Q | R | S | T | U | V | W |

(i) Car ……… is farthest from the given parking board.

(ii) Car ……… is at fourth position from the given parking board.

	(i)	(ii)		(i)	(ii)		(i)	(ii)		(i)	(ii)
(a)	P	T	(b)	W	T	(c)	P	S	(d)	W	S