UIM
Unified International Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD (UPDATED)

CLASS - 1
Question Paper Code : UM9269

KEY

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

EXPLANATIONS

MATHEMATICS

01. (A) Balls = 4

Birds = 5

Total = 5 + 4 = 9

02. (C)

+	5	6
3	8	9
4	9	10

03. (B) 5 + 4 = 9

04. (B) Ostrich has longest legs

05. (A) 2 similar chickens are lighter than three similar chickens

06. (B) Number in the largest triangle = 7

Number in the smallest triangle = 2

Difference = 7 − 2 = 5

07. (C) 3 rupee

08. (C) ₹ 20 + ₹ 10 + ₹ 20 = ₹ 50

09. (A) ₹ 50 + ₹ 40 = ₹ 90

10. (B) Counting by 1's

11. (C) Option (C) has exactly 10 dots

12. (C) 0, 1, 2, 4, 5

5 different numbers

13.	(A)	4 hundreds + 5 tens + 3 ones
		= 453

14.	(A)	26 – 9 = 17
		17 – 6 = 11
		There are 11 adults in the room.

15. (C)   33, 63, 83
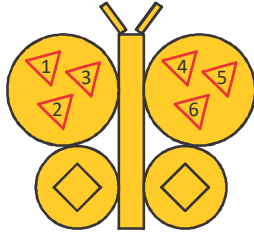
16. (D)

17. (B)   2nd

18. (B)   In option (B), the bird is in 7th position

18. (B)   In option (B), the bird is in 7th position

19. (C)   The letter 'C' is in third position

20. (D)   Triangle is behind the grid

21. (B)

42	43	44	45	46
52	53	54	55	56
62	63	64	65	66
72	73	74	75	76

22. (D)   Rectangle repeated 3 times

23. (C)   8 – 2 = 6

24. (D)   16 – 8 = 8

25. (D)   The pattern has numbers skip counted by twos. So, the next two numbers are 44 and 46

26. (B)   9 – 3 = 6

27. (A)   29th February is the leap year

Mona celebrates her birthday every fourth year

28.	(C)	Age of the cub = 7 weeks 4 days
		7 weeks 4 days + 3 days
		= 8 weeks

29. (C)   When minute hand points to 6, the minutes after the hour is 30 minutes

30. (A)   = 1 unit

can + 3 units = 8 units

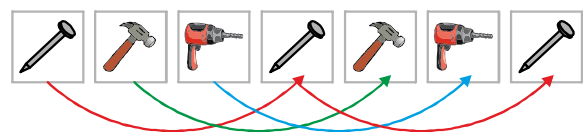can = 8 – 3 = 5 units

Mass of the can = 5 units

REASONING

31. (A)

32.	(D)	1st row indicates air way.
		2nd row indicates water way.
		3rd row indicates road way.

33. (B)   In (A), (C) and (D) are all four sided figures.
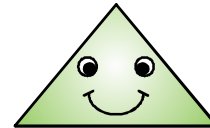
34. (C)   Straw

35. (B)

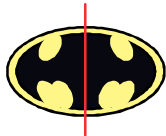36. (D)   Option (D) is different from others.

37. (A)

38. (B)

39. (C)
$$\frac{C\ Y\ C\ L\ E}{1\ 2\ 3\ 4\ 5} = \frac{L\ C\ Y\ E\ C}{4\ 3\ 2\ 5\ 1}$$

$$\frac{T\ R\ A\ I\ N}{1\ 2\ 3\ 4\ 5} = \frac{I\ A\ R\ N\ T}{4\ 3\ 2\ 5\ 1}$$

40. (D)

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