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OLYMPI★DS

UIMO
Unified International Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD
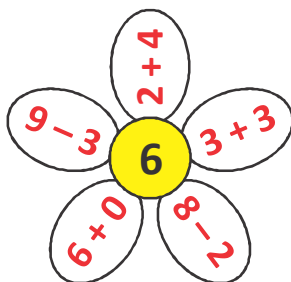
CLASS - 1
Question Paper Code : *4O109*

KEY

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

SOLUTIONS

MATHEMATICS

01. (D)

02. (B) $10 - 2 = 8$
$8 + 5 = 13$

03. (B) 86, 65, 32, 24, 12 are in decresing order.

04. (C) A Bangle helps creat circular shapes but a book has a rectangular shape with straight edges, making it unsuitable for drawing with a bangle.

05. (D) $95 - 43 = 52 = 52$
$95 - 34 = 61 > 52$
$95 - 25 = 70 > 52$
$95 - 53 = 42 < 52$

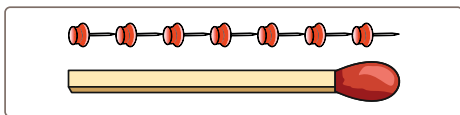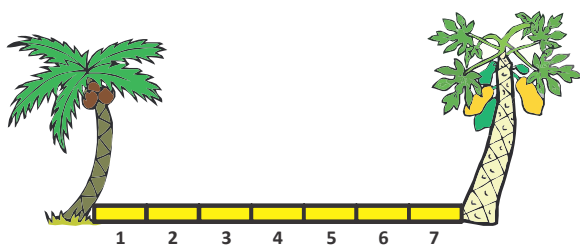06. (C) Apple = 3 cubes

Orange = 3 cubes

Banana = 2 cubes (lightest)

Watermelon = 4 cubes

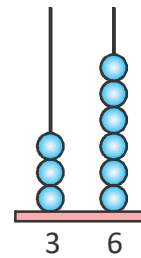| 07.	(C)	Triangle has exactly 3 sides & 3 corners
08.	(D)	Glass usually has a round surface thats alows it to roll.
09.	(A)	Pen is Rs. 100; i.e more than Rs. 50 so we cannot buy pen with Rs. 50
10.	(A)	2 coins of 2 rupees = 4 rupees. 3 coins of 1 rupee = 3 rupees. Total: 4 + 3 = 7 rupees
11.	(C)	The highest number on a die is 6.
12.	(D)	Monday, tuesday, wednesday are listed in order
13.	(B)	A book is heavier than a pencil, feather, or rubber band.
14.	(D)	Option (D)

15.	(C)	The glass least capacity, so it will fill up faster
16.	(B)	To count back from 27 to 23 , you count 27, 26, 25, 24, 23 so, you count back 4 numbers
17.	(C)	1 year = 12 months 2 years = 12 months + 12 months = 24 months
18.	(B)	9o'clock - 5hrs = 4o'clock 4o'clock - 1hr = 3o'clock
19.	(A)	Rs. 50 – Rs. 38 = Rs. 12
20.	(C)	3 + 3 + 1 + 3 + 3 + 3 = 16
21.	(D)	1 + 0 = 1
22.	(D)	Among the options cube is a Solid shape.
23.	(B)	Rani has 3 lolipops
24.	(C)	

There are 7 sticks between two trees.

| 25. | (A) | |

26.	(A)	5 (12, 1, 10, 11; 1 is repeated 5 times in the clock)
27.	(B)	_ _ M L _ _ _ _ _ _ _
28.	(C)	77 is between 50 & 90 with same digits
29.	(B)	In a sequence of 7 items, the middle position is the 4th.
30.	(C)	21 + 6 = 27 ; 27 > 25

REASONING

| 31. | (D) | Because the other pairs have words starting with consecutive latters of the alphabet, while "Giraffe" & "Igloo" start with non-consecutive latters |
| 32. | (D) | |

| 33. | (A) | |

| 34. | (C) | |

| 35. | (B) | |

| 36. | (C) | |

| 37. | (C) | has four sides |

38.	(D)	Except option (D) remaining all Balls
39.	(D)	Only (D) has both the circles on the same side.
40.	(D)	Except letter K, all other letters can be written with out lifting the pencil/pen. [Note : Without retracing].