UIM

Unified International Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD

CLASS - 2

Question Paper Code : *4O109*

KEY

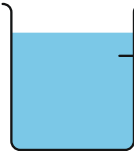| 1	2	3	4	5	6	7	8	9	10
B	D	C	B	A	A	C	C	B	B
11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
C	C	C	D	B	D	A	B	C	B
21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
C	A	D	D	B	B	A	A	A	A
31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
A	D	D	C	C	D	A	A	B	C

SOLUTIONS

MATHEMATICS

01. (B) $123 + 321 = 444$

02. (D) $12 \div 3 = 4$

03. (C) $2l + 2l + 2l = 6l$

04. (B) The correct endings of the oridinal number are TH, RD, ST, ND

05. (A) $378 < 387$

06. (A)

H	T	O
8	0	8

07. (C)
$$\begin{array}{r} 6\ 0\ 2 \\ -\ 3\ 2\ 8 \\ \hline 2\ 7\ 4 \end{array}$$

08. (C) $5 \times 2 = 10$ Pencils

09. (B) $6 \times 2 = 12$
$3 \times 4 = 12$

10. (B) it contains more than $1l$

11. (C) 6 oranges = 4 apples
12 oranges = 6 oranges + 6 oranges
$\qquad$ = 4 apples + 4 apples
$\qquad$ = 8 apples
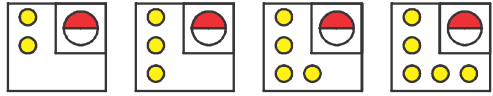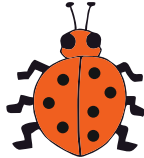
12. (C) The given time is 4:00
$4:00 - 20$ mins $= 3:40$

13.	(C)	32 + 28 = 60
14.	(D)	1 day = 24 hrs
		4 × 24 hrs = 96 hrs
15.	(B)	Nitya age = 23 + 18 = 41 yrs
		in 5 yrs = 41 yrs + 5 yrs
		= 46 yrs
16.	(D)	The capacity of a bucket is usually measured in liters.
17.	(A)	158 cm + 6 cm = 164 cm
18.	(B)	16 × 3 = 48
		48 + 4 = 52
19.	(C)	Cat is sitting on the 3rd step from up
20.	(B)	Rectangle
21.	(C)	In a square, all four sides are always equal in length
22.	(A)	10 − 5 = 5
		5 − 2 = 3
23.	(D)	5 × 4 = 20
24.	(D)	12:40 clock image
25.	(B)	Six hundred and fifteen = 615
26.	(B)	Kiran mona anil

Anil   Kiran   Mona
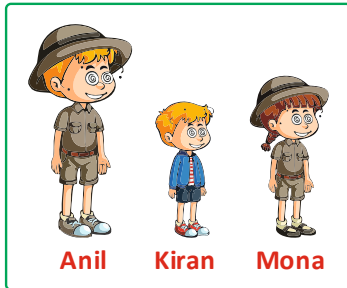
27.	(A)	10 hundreds = 10 × 100 = 1000
28.	(A)	1 mango = Rs. 2
		2 mangoes = Rs. 4
		3 mangoes = Rs. 6
29.	(A)	1 Glass = 2 spoons
		1 Jug = 5 glass
		1 Jug = 5 × 2 spoons
		= 10 spoons
30.	(A)	If today is wednesday tomorrow is thursday.

REASONING

31.	(A)	
32.	(D)	
33.	(D)	Only rectangle is used in option (D)
34.	(C)	
35.	(C)	
36.	(D)	Monday, Tuesday and Friday are all days of the week, while December is a month. Therefore, December is the odd one out.
37.	(A)	Scissor in a statinory item
38.	(A)	Alternate letters are in series A, C, E, G. After G, the next letter is I.
39.	(B)	
40.	(C)	Paul is the faster because he is faster than Ron and Don < Ron < Paul Ron is faster than Dan.