



Unified International
Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD (UPDATED)

CLASS - 1

Question Paper Code : UM9264

KEY

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

EXPLANATIONS

MATHEMATICS

01. (B) $Q = 1, R = 3$

$$Q + R \Rightarrow 1 + 3 = 4$$

02. (A) Option (A) is the correct way to measure the wall.

03. (B)

+	3	4	5
3	6	7	8
4	7	8	9

04. (B) Weight is the measure of how heavy an object is.

05. (B)

Given number

Pattern = 11, E, 7, D, 3, 1

Difference between 3 and 1

$$\text{i.e., } 3 - 1 = 2$$

$$11 - 2 = 9$$

$$\text{So } E = 9$$

$$9 - 2 = 7$$

$$7 - 2 = 5$$

$$\text{Sum of D and E} = 5 + 9 = 14$$

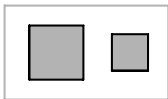
06. (A)

Glass (A) takes more water to be fill it completely.

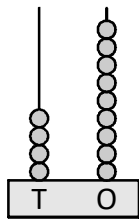
07. (D) ₹ 50 + ₹ 20 = ₹ 70 > ₹ 60
08. (A) Total number of boxes = 6
Number of boxes coloured = 3
Number of boxes not coloured = 3








09. (C) Put $X = 0$
such that it get smallest number
10. (B) Option (A) = 20, 23
2 is in tens place
Option (B) = 32, 72
2 is not in tens place
Option (C) = 29, 21
2 is in tens place
Option (D) = 25, 27
2 is in tens place
11. (B)



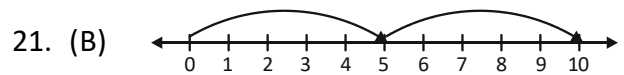
12. (C) 2nd - second
13. (D) ABBC
14. (A) 'H' is the letter made up of 3 straight lines
15. (A) $69 - 20 = 49$



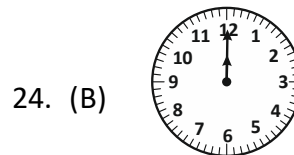
16. (A)  +  +  = 8
-  + 5 = 8
-  = 8 - 5 = 3



17. (D)
- | |
|-----------|
| Wednesday |
| 20 |

18. (A) 1000 is the biggest number among the options
19. (C) Length of cloth A = 4
2 pieces of cloth A = 4 + 4 = 8
Length of cloth B = 6
Total = 8 + 6 = 14
20. (C) Extra day is added in the month of February.



22. (D) $78 - 34 = 44$
23. (C) 4 and 5 are two facing pages of a book
i.e., $4 + 5 = 9$



25. (B) $40 - 17 = 23$ more black birds
26. (B) $55 - 25$  $75 - 23$
 30  52

27. (B)  is the lightest image

28. (D) Number of circles in figure A = 6
Number of circles in figure B = 2
 $= 6 - 2 = 4$

29. (A) 2 tens = 20
2 tens 5 ones = 25
2 tens 3 ones = 23
3 tens = 30
So, 2 tens is the smallest

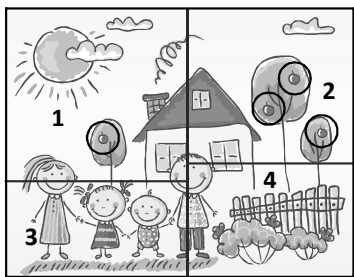
30. (A) There are two 40s in ₹ 100. So, Raju can buy two toys.

REASONING

31. (C) Except option (C) remaining options turn opposite side.

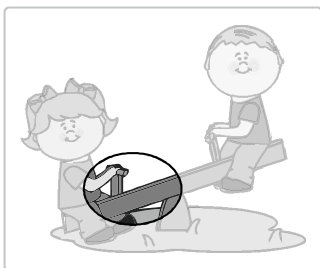


32. (D) Both 1 & 2

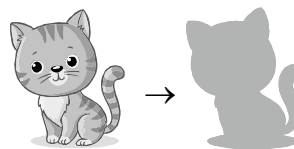


33. (D) ⑧, 1, ⑦, 1, ⑥, 1, ⑤, 1, ④, 1, ③
in every alternate term '1' is decreases.

34. (A)



35. (B) V



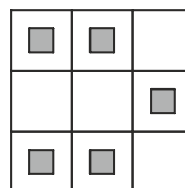
37. (A)



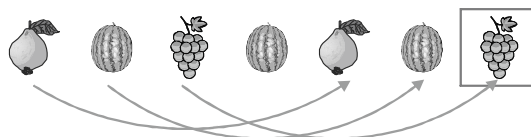
38. (D)



39. (B)



40. (A)



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The End
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