



Unified International
Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD (UPDATED)

CLASS - 2

Question Paper Code : UM9267

KEY

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

EXPLANATIONS

MATHEMATICS

01. (B) 9 hundreds 8 tens 3 ones = 983
99 tens = 990

Option (A) : 990 (smaller than 983) (X)

Option (B) : 984 (✓)

Option (C) : 983 (equal to 983) (X)

Option (D) : 938 (smaller than 983) (X)

02. (C)
-

03. (B) $45 - 21 = 24$
42

04. (B) $10 + 10 + 10 + 10 + 10 = 50$

05. (A) ₹ 200 + ₹ 50 + ₹ 5 + ₹ 1 = 251

Option (A) : 251

Option (B) : 280

Option (C) : $300 - 35 = 265$

Option (D) : $200 + 50 = 250$

06. (C)
$$\begin{array}{r} \boxed{4} \ 6 \ 7 \\ + \boxed{4} \ 5 \ \boxed{9} \\ \hline 9 \ 2 \ 6 \end{array}$$

07. (A) $16 \div 4 = 4$ glasses on each tray

08. (C) $A = 2 \text{ kg}$

$$B = A + 1$$

$$= 2 + 1$$

$$= 3 \text{ kg}$$

09. (A) $12 \div 2 = 6$

10. (B) $\frac{2}{6}$ part is shaded



To make whole rest of the 4 parts should shade

$$\text{i.e., } = \frac{4}{6}$$

11. (D) $9 \times 4 = 36$

12. (A) 3 tens = 30 cm

13. (C) 2 quarters = $\frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$

(Equivalent fraction)

14. (B) Amount with Karan = ₹ 50 + ₹ 50 = ₹ 100

Cost of a wallet = ₹ 120

$$= ₹ 120 - ₹ 100 = ₹ 20$$

15. (A) Option (A) : $97 + 73 = 170$ (✓)

Option (B) : $200 + 76 = 276$ (✗)

Option (C) : $397 - 82 = 315$ (✗)

Option (D) : $604 - 162 = 442$ (✗)

16. (A) 2×8 is _____ more than 2×5

16 is _____ more than 10

$$16 - 10 = 6$$

16 is 6 more than 10

17. (A) $6 \times 1 = 1 \times 6$

$$6 = 6 \text{ (True)}$$

18. (C) $1 \triangle = 3 \heartsuit, 1 \blacklozenge = 3 \heartsuit, 1 \triangle = 3 \heartsuit$

19. (C) NONE → ONE

20. (C) 10 digits i.e., 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

21. (D) Number of cups needed to fill 2 jugs

$$= 2 \times 4 = 8$$

Number of cups needed to fill 2 teapots

$$= 2 \times 3 = 6$$

Total number of cups needed to fill 2 jugs and 2 teapots

$$8 + 6 = 14$$

22. (C) Circle has no corners

23. (D) $9 \times 3 = 27 \text{ m}$

24. (B) Cylinder - sphere - cube

25. (A) 3 days after Tuesday is Friday

26. (C) Minute hand on 9 and hour hand nearly at 7

27. (A) $\square + \triangle + \triangle + \triangle + \square + \square = 33$

$$\triangle + \triangle + \square = 20$$

$$\triangle + \square = 33 - 20$$

$$= 13$$

28. (A) $756, 769, 782, 795, 808, 821$
 $\xrightarrow{+13} \xrightarrow{+13} \xrightarrow{+13} \xrightarrow{+13} \xrightarrow{+13}$

29. (C) 2 hundreds 2 tens + 6 hundreds 2 tens

$$7 \text{ ones} = 220 + 627$$

$$= 847$$

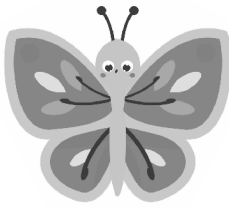
30. (B)

REASONING

31. (A)



32. (C)

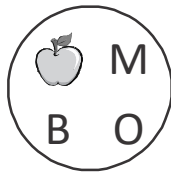


33. (D) The letter 'O' is not present in the given picture.

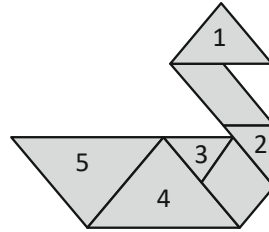


34. (A) Bat & Ball are pair words. Similarly Cup & Saucer

35. (B) Every step from bottom right replace with first letter of the given image.



36. (C)



37. (C)



38. (A) 1 and 4 are exactly the same.

39. (C) Option (C) has fewest stars.
i.e., only 2 stars



40. (B)



The End