



Unified International
Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD

CLASS - 1

Question Paper Code : UM9267

KEY

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

EXPLANATIONS

MATHEMATICS

01. (B) $9 + 2 < 12$; $11 < 12$

02. (C) 78, 79, 80

03. (C) $9 + 18 = 27$

$$21 + 12 = 33$$

The number 30 is more than 27 but less than 33

04. (A)



05. (B) The pencil is about 9 units long

The tooth pick is 4 units long

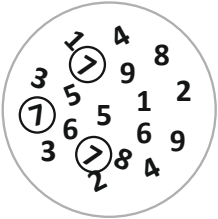
$$9 \text{ units} - 4 \text{ units} = 5 \text{ units}$$

The pencil is 5 units longer than the tooth pick

06. (C) Spoon hold least

$$07. (D) 6 + 10 = 16 ; 16 + 9 = 25$$

They have 25 books altogether

08. (B) Amount with Sunidhi = ₹ 90
 (A) : ₹ 15 + ₹ 20 + ₹ 20 + ₹ 20 = ₹ 75
 (B) : ₹ 15 + ₹ 15 + ₹ 30 + ₹ 30 = ₹ 90
 (C) : ₹ 30 + ₹ 30 + ₹ 30 + ₹ 40 = ₹ 130
 (D) : ₹ 40 + ₹ 20 + ₹ 20 = ₹ 80
 Sunidhi can buy 2 ballons and 2 bags by spending all her money
09. (B) ₹ 56 = Fifty six rupees
10. (D) 21 is the smallest value
11. (B) $46 - 22 = 24$
12. (B) (A) : $86 \rightarrow 68$ (X)
 (B) : $75 \rightarrow 75$ (✓)
 (C) : $67 \rightarrow 76$ (X)
 (D) : $89 \rightarrow 98$ (X)
13. (B) 9:30 – half past 9
14. (B) $12 + 22 = 34$
15. (B) 1 book = 4 apples
 3 books = $4 + 4 + 4$
 = 12 apples
16. (C) (A) : Pear = 8 times
 (B) : Apple = 9 times
 (C) : Strawberry = 3 times
 (D) : Grapes = 5 times
 Strawberry appears minimum number of times i.e., 3 times
17. (A) 
18. (B) Tarun, Karan, Arun, Varun (or)
 Tarun, Karan, Varun or Arun
 Karan is third in the race
19. (C) P, Q, S
 $P = 2, Q = 6, S = 1$
 $2 + 6 + 1 = 9$
20. (D) $20 - 8 \rightarrow 12 - 8 \rightarrow 4$
21. (B) First

22. (B)



23. (C)

(A) : 3 circles, 3 ovals (X)

(B) : 3 circles, 3 ovals (X)

(C) : 2 circles, 3 ovals (✓)

(D) : 4 circles, 3 ovals (X)

24. (A)

An arrow pointing down.

25. (C)

Rocky paint the last letter on Saturday

M A T H E M A T I C S
 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
 We Th Fr Sa Su Mo Tu We Th Fr Sa

26. (A)

Number of cats = 7

Number of fish = 4

$7 - 4 = 3$

3 more fish are required so that each cat has one fish

27. (D)

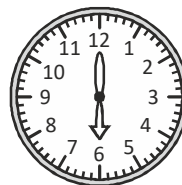
1 Day is the longest duration

28. (B)

Q represents number 7

10	11	–
6	7	4
5	6	5

29. (C)

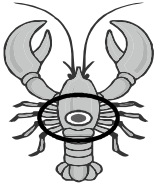


30. (D)

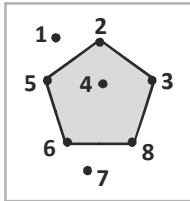
Weight of the cat is $10 \times 2 = 20$ units

REASONING

31. (A) Letter "R" not hidden in the picture.



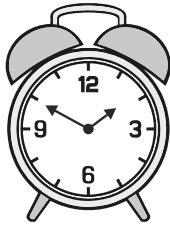
32. (D)



33. (B)

34. (B) Father is to man as Mother is to woman

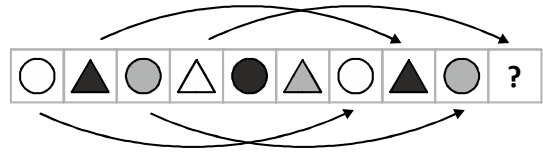
35. (C) Option (C) is similar to the given picture.



36. (D) Parrot does not belongs to the given group.

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

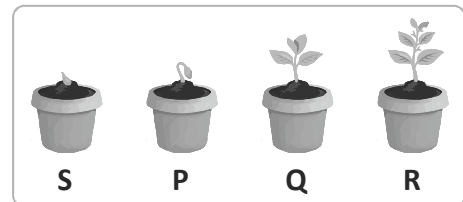
38. (C)



39. (C) Second image indicates the direction of first image.



40. (A) SPQR



=====*The End*=====