



Unified International
Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD

CLASS - 1

Question Paper Code : UM9254

KEY

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

EXPLANATIONS

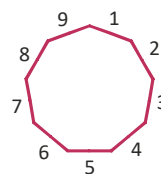
MATHEMATICS

- (D) The next number of 25 is 26
- (B) 8 blue colour + 6 yellow colour = 14
 $8 + 6 = 14$
- (B) From the given Picture, number of Parrots are 6
(A) 2 tens + 14 ones = $20 + 14 = 34$
(B) 2 tens – 14 ones = $20 - 14 = 6$
(C) 2 tens – 15 ones = $20 - 15 = 5$
(D) 2 tens + 4 ones = $20 + 4 = 24$
- (D) Option (D) gives the largest value
i.e., $2 + 1 = 3$
- (B) Mass of the bananas = 600 g
- (C) The 4 wheeler Picture is in option 'C'

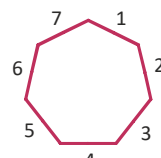
7. (A)



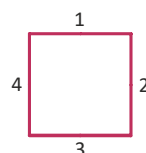
8. (A) Option (A) has 9 edges



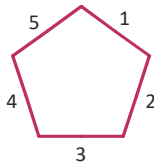
Option (B) has 7 edges



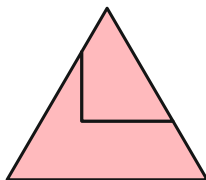
Option (C) has 4 edges



Option (D) has 5 edges



9. (C) 22 and 15
 $22 + 15 = 37$
10. (C) $X > Y < Z$
 Option (A) is true
 Option (B) is true
 Option (C) is false
 Option (D) is true
11. (B) Increasing order = 4, 7, 9, 18, 33, 71, 92, 100
 The number 18 is in fourth place
12. (C) (A) $12 + 3 = 15$, $12 - 3 = 9$ (✗)
 (B) $8 + 9 = 17$, $9 - 8 = 1$ (✗)
 (C) $8 + 7 = 15$, $8 - 7 = 1$ (✓)
 (D) $14 + 1 = 15$, $14 - 1 = 13$ (✗)
13. (B) Amount with Likith = ₹ 20
 Amount spent on pencil case = ₹ 8
 Amount left = ₹ 20 – ₹ 8 = ₹ 12
14. (A) Rashmi read 80 pages of the book in week 2
15. (C) Points Tanish have = $20 + 7 + 3 = 30$
16. (D) From the given options, option (D) April month has 30 days
17. (C) (A) $1 - 0 = 10$ (✗)
 (B) $3 + 3 = 3$ (✗)
 (C) $5 + 3 = 8$ (✓)
 (D) $7 - 0 = 0$ (✗)

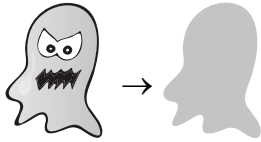


18. (D)
19. (D) Dictionary is in second place from the top
20. (D) Length of an eraser = 2 pins long
 Length of a pencil = 6 pins long
 $6 - 2 = 4$ pins
 Length of an eraser is about 4 pins shorter than the pencil

21. (B) (A) $20 + 7 = 27$
 (B) $4 \times 5 = 20$
 (C) $38 - 12 = 26$
 (D) $19 + 6 = 25$
 Option (B) given the answer less than 23 i.e., 20
22. (C) Ninety four = 94 is greatest
23. (A) Cost of a burger = ₹ 40
 Cost of piece of cake = ₹ 25
 $₹ 40 - ₹ 25 = ₹ 15$
 The piece of cake is ₹ 15 cheaper than the burger
24. (C) No. of squares = 1
 No. of triangles = 4
 $4 - 1 = 3$
 3 fewer squares than triangles
25. (A) Time on the clock = 2 : 30
 Actual time is 1 hours slow than the given time i.e., 1 : 30 = Half past one
26. (B) 1 week = 7 days
 5 week = $5 \times 7 = 35$ days
27. (C) The sum of rows and the sum of columns = 10
28. (B) $6 + 6 + 6 + 6 = 24$
29. (B) If  = unit
 Given diagram has 12  = 12 units
 So, 2 cups = 12 units
 1 cup = 6 units
30. (C)  = 3,  = 5

REASONING

31. (B)



32. (B) Red dots are not present in option (B).



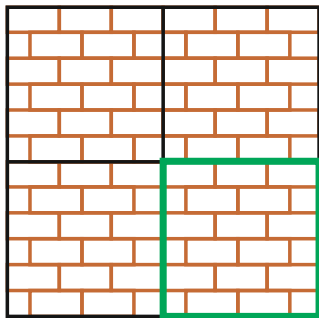
33. (D)



34. (B)



35. (C)



36. (D)



37. (A)



38. (C) The given group is faces of ladies, so option (C) belongs to the given group.



39. (B)



40. (A) 5

