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OLYMPI★DS

UIMO
Unified International Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD (UPDATED)
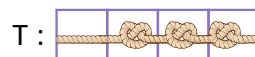
CLASS - 1
Question Paper Code : UM9279

KEY

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

EXPLANATIONS

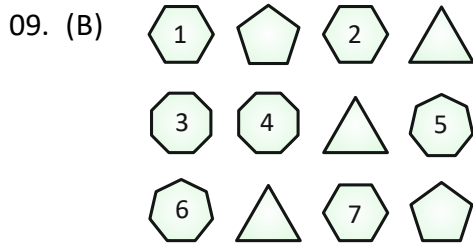#### MATHEMATICS

01. (B) Number of books = 11
         Number of erasers = 5
         11 − 5 = 6

02. (C) 8 twos = 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2

03. (D) Cost of a candy = ₹ 5
         Cost of a lollipop = ₹ 2
         = ₹ 5 + ₹ 2 = 7
         Change she received = ₹ 10 − 7 = ₹ 3

04. (B) 21, 35, 48, 64

05. (A) There are 8 people in the queue at first
         8 − 2 = 6

06. (C) T is the longest rope

07. (A) Number of marbles with David = 10
         Number of marbles with Karan
         = 10 + 10 = 20
         Total = 20 + 10 = 30

08. (C) 1 hour past 7 O'clock is 8 O'clock

09. (B)

10. (C)   10 times of ₹ 2 makes ₹ 20

11. (C)   a-iii, b-iv, c-i, d-ii

12. (C)   Cost of a badminton racket = ₹ 100

Amount with Mary = ₹ 70

Amount needed to buy badminton racket

= ₹ 100 − ₹ 70 = ₹ 30

13. (A)   22 − 11 is 11, more than 8 and less than 12

14. (A)   9 tens 6 ones = 96

Option (A) has more value

15. (A)   Option (A) holds more than 50 ml and less than 80 ml

16. (B)   Cone is matched correctly

17. (C)   Number of fishes Revathi catches = 19

Number of fishes Jatin catches = 19 + 18 = 37
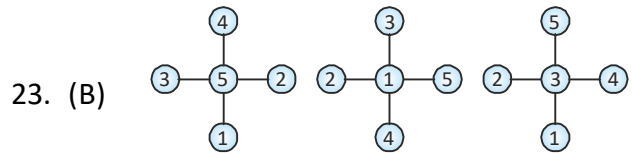
Total number of fishes = 19 + 37 = 56

18. (B)   The given clock shows 12 O' clock

19. (B)   Pencil is 2 units longer than comb

Length of a pencil = 7 pins

Length of a comb = 5 pins

= 7 − 5 = 2 pins (or) units longer

20. (D)   Option (D) has the greatest amount

i.e., ₹ 17

21. (B)   Circle and square both appear three times in the given shape

22. (D)   47 is in between 46 and 48

23. (B)

24. (B)   Set A = 4 + 3 + 5 = 12

Set B = 6 + 2 + 1 = 9

From set A 3 should be moved to set B so that the sum of the numbers in set B is 3 more than set A

25. (C)   Mass of coconut + 2 tomatoes = 7 tomatoes

Mass of coconut = 7 − 2 = 5 tomatoes

26. (D)   9 − 4 = 5

4 − 2 = 2

5 − 2 = 3

27. (D)   Roses = 6; Apples = 5 and Toys = 9

From the given option (D) i.e., roses are more than apples

28. (D)   22 + 27 = 49 (not) 50

29. (B)   5 + 1 + 1 + 1 + 1 = 9

30. (B)   20 − 8 = 12

REASONING

31. (C)   Letters of the word APPLE are in reverse order ELPPA. So, BANANA is reverse order ANANAB.

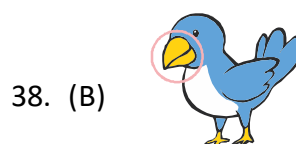32. (C)   Option (C) is same as the given question image.

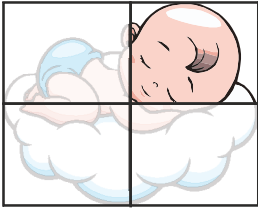33. (D)   Blue colour circle belongs to the given group.

34. (C)

35. (C)   Each time the image is increasing and alternate images are same.

36. (B)

37. (B)   Sun is yellow colour, in the same way milk is white in colour.

38. (B)

39. (D)

40. (A)   Option (A) is different from others.