



Unified International
Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD

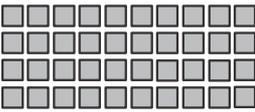
CLASS - 1
Question Paper Code : 4P114

KEY

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

EXPLANATIONS

MATHEMATICS

01. (B) Number of pine apples = 15
Expanded form of 15 = 10 + 5
02. (A)  = 40 squares
03. (D) Comparing the counts, bag (D) has the fewest apples, and therefore the least weight.

04. (A) The landing pattern repeats as 1, 5, 4, 3, 2.
Every 5 landings, the same pattern starts again.
After 30 landings, Rani will be back at the start of the pattern.
Counting 3 more landings:
1st → 1
2nd → 5
3rd → 4
05. (C) 36 + 8 = 44

06. (C)

6 4 1 2 2 8 7 4 2 1 5 3 8 6 2 1 7 1 4 1 3 2 8 6

07. (B) 1 pine apple = 2 mangoes

1 mango = 3 apples,

1 pine apple = 2(3 apples) = 6 apples

08. (C) 

09. (B) First, there are 13 cats left and 4 cats died, so there were 17 cats at first.

Now there are 20 dogs after buying 6 puppies, so there were 14 dogs at first.

17 is 3 more than 14, so cats were more.

10. (C) When we pour from 1 bottle, we get 2 mugs of water.

The jug gives 4 mugs of water.

To get 4 mugs like the jug, we need to use two bottles because:

2 mugs (from first bottle) + 2 mugs (from second bottle) = 4 mugs.

11. (A) The minute hand completes one round in 60 minutes (one hour), which means that it will move from 12 to 3 in 15 minutes.



$15 + 15 + 15 + 15 = 60$ minutes



When the minutes hand moves from 12 to 3, 15 minutes have passed.

12. (C) The letter is dated 30th January, 2026.

Renu says her exams will start after one week.

One week means 7 days.

Counting 7 days after 30th January:

31 Jan (1), 1 Feb (2), 2 Feb (3), 3 Feb (4), 4 Feb (5), 5 Feb (6), 6 Feb (7)

So, Renu's exams start on 6th February.

13. (D) Prabha collected 10 stamps.

Anu collected 4 more, so Anu has 14 stamps.

Ravi collected 2 less than Anu, so Ravi has 12 stamps.

14. (A) 15 minutes means quarter past the hour, so the long hand points at 3.

15. (C) Squares = 2, Triangles = 3
2 is less than 3

16. (C) There are 7 circles in the image.

17. (B) The leader is in the middle.

There are 7 pirates before him and 7 pirates after him.

So, total pirates = $7 + 1 + 7 = 15$

18. (C) Money to return = $20 - 12 = \text{Rs. } 8$

19. (A) A = 15, B = 13, C = 12, D = 12

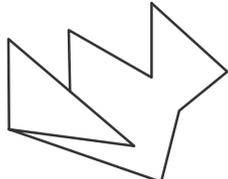
20. (C) $5 + 3 = 7 + 1$ (4 is not used)

21. (C) Sita is 2nd.

Raju comes after Sita and before Meena.

Meena is 4th.

So, Raju is 3rd.

22. (C)  = 7 slanting lines

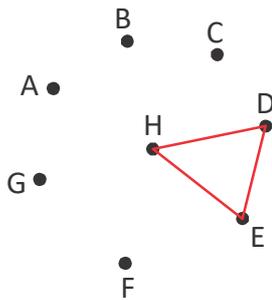
23. (D) Indu > Mona > Ali > Dog

24. (A) 10 is in the triangle and the rectangle.

8 is in the circle and the rectangle

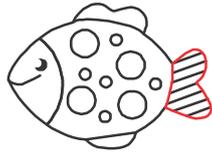
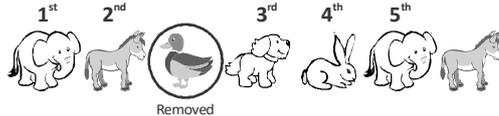
= $10 + 8 = 18$

25. (B) $100 - 1 = 99$
26. (C) Cylinder can roll as well as slide
27. (B) Option (A) : 60 is greater than 50.
Option (B) : All 4 numbers are greater than 50.
Option (C) : 61 is greater than 50.
Option (D) : All 4 numbers are greater than 50.
28. (A) Among all numbers in circle 32 is largest



29. (D)
30. (A) Triangles = 8, Circles = 4
 $8 - 4 = 4$

REASONING

31. (D) 
32. (C) 
33. (B) The
34. (D) 
35. (D) 
36. (B) Counting by 5s
37. (C) Monkey is not a big cat; others are wild cats.
38. (B) 
39. (B) Mouse food is cheese, whereas dog food is bone.
40. (D) 

THE END