



Unified International
Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD (UPDATED)

CLASS - 3

Question Paper Code : UM9279

KEY

1. B	2. D	3. B	4. D	5. B	6. C	7. D	8. A	9. C	10. A
11. D	12. A	13. B	14. C	15. A	16. D	17. B	18. A	19. D	20. D
21. D	22. A	23. B	24. B	25. B	26. C	27. D	28. A	29. B	30. C
31. D	32. B	33. C	34. D	35. D	36. B	37. C	38. B	39. A	40. D
41. A	42. B	43. C	44. B	45. D	46. B	47. A	48. D	49. C	50. D

EXPLANATIONS

MATHEMATICS

01. (B) (A) $3 \times 8 = 24$; (B) $4 \times 7 = 28$
(C) $63 \div 9 = 7$; (D) $72 \div 8 = 9$
Greatest value is for $4 \times 7 = 28$
02. (D) $138 \rightarrow$ two-Rupee coins = $138 \times ₹2 = ₹276$
03. (B) $\frac{4}{20}$ is not equivalent to $\frac{1}{4}$, it is equivalent to $\frac{1}{5}$
04. (D) $717 \text{ min} \div 60 = 11 \text{ R } 57$
 $= 11 \text{ h } 57 \text{ min}$
05. (B) 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 = 17 numbers

06. (C) Option (A) : $20 \times 0.10 + 5 \times 0.50$
 $= ₹2 + ₹2.50 = ₹4.50$
Option (B) : $10 \times 0.10 + 30 \times 0.20$
 $= ₹1 + ₹6 = ₹7$
Option (C) : $15 \times 0.20 + 2 \times 0.50$
 $= ₹3 + ₹1 = ₹4$
Option (D) : $10 \times 0.50 = ₹5$
07. (D) $162 \div 4 = 40 \text{ R } 2$
 $450 \div 4 = 112 \text{ R } 2$
 $638 \div 4 = 159 \text{ R } 2$
 $816 \div 4 = 204$

08. (A) $2022 - 1000 = 1022$


09. (C) From the given condition

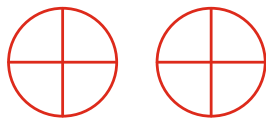
Th	H	T	O
6	5	2	7

10. (A) $9 + 9 + 9 + 9 + 9 = 45$

11. (D) No. of students = $14 \times 7 + 14$
 $= 14 \times 8 = 112$

12. (A) $54 \div 3 = 18$ students

13. (B) There are total 8 quarter circles ()
 So, we can make 2 circles



14. (C) Remainder is always less than the divisor.

15. (A)  = $\frac{1}{2}$ shaded

16. (D) Number of columns remain same

17. (B) 667, 669, 676, 696, 966

18. (A) She reached her office at 8:35 a.m.



19. (D) $29 + 31 = ₹ 60$

20. (D) $110 = 110$

21. (D) $46 - 18 =$

22. (A) $\frac{3}{9} = \frac{1}{3}$

23. (B) 60×24

24. (B) $1054 - 354 - 135$
 $= 565$

25. (B) No other option is divisible by 4

26. (C) $3500 \div 5 = 700 \text{ ml}$

27. (D) $\frac{3}{4} > \frac{3}{5}$

28. (A) $108 \div 9 = 12$ jugs

29. (B) $\frac{2 \times 4}{3 \times 4} = \frac{8}{12}$

No. of parts she has given away
 $= 12 - 8 = 4$

30. (C) An octopus has 8 tentacles $8 \times 8 = 64$

31. (D) $600 \times 5 - 1864$
 $= 3000 - 1864$
 $= 1136 \text{ g} = 1.136 \text{ kg}$

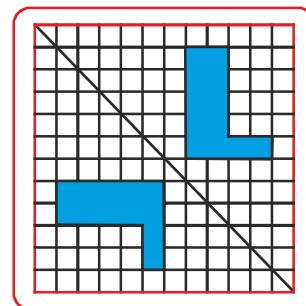
32. (B)
$$\begin{array}{r} 4 \text{ } \diamond 8 \text{ } 9 \\ + 2 \text{ } \diamond 8 \text{ } 8 \\ \hline 7 \text{ } 7 \text{ } 7 \end{array}$$

$[17 - 1] \div 2 = 8$

33. (C) $3 \times 8 = 18 + 12 - 6$

34. (D) Vinay + Ajay + Arjun
 $= 169 + (169 - 14) + (169 - 14 + 35)$
 $= 169 + 155 + 190 = 514 \text{ cm}$

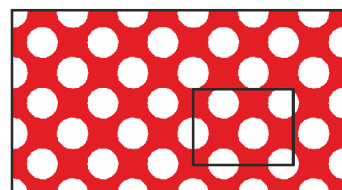
35. (D) Cardboard reflected in the line



REASONING

36. (B) Adding sides of a shape we get the number.

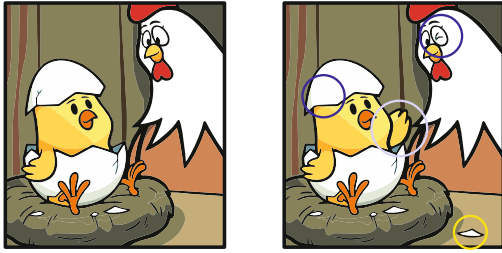
Square has 4 sides + hexagon has 6 sides
 $\Rightarrow 4 + 6 = 10$



37. (C)

CRITICAL THINKING

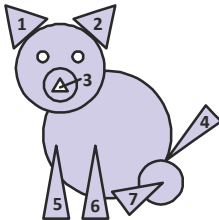
38. (B)



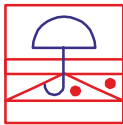
- 39. (A) Kear is not meaningful word.
- 40. (D) A foot is attached to a leg, a hand is attached to an arm.
- 41. (A) The letters in the given group are in alphabetical order.



42. (B) B C D I J K L M N P Q S V W X Y Z



43. (C)

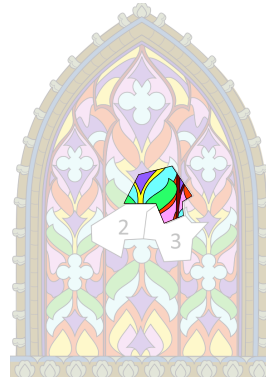


44. (B)

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



46. (B)



- 47. (A) A Pen always has NIB.
- 48. (D) The order of winner D, B, E, C, A.
B finished second
- 49. (C) 3-1-2-5-4
- 50. (D) L : April, V : November, C : December K :
No week or month contain the letter "K"