



UNIFIED COUNCIL

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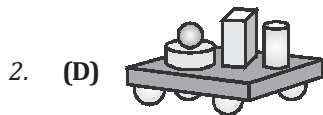


UNIFIED CYBER OLYMPIAD - UC335 (UPDATED)

Solutions for class : 3

Mental Ability

1. (A) $1 - \left(\frac{3}{8} + \frac{2}{8}\right) = 1 - \frac{5}{8} = \frac{3}{8}$



3. (D) $900 - (12 \times 8)$
 $= 900 - 96$
 $= 804$

4. (C) Riya = $63 \div 3 = 21$
 Sree = $21 + 17 = 38$

5. (A)
$$\begin{array}{r} 7 \text{ } 7 \text{ } 9 \text{ } 6 \text{ } 16 \\ - 5 \text{ } \square \text{ } 4 \text{ } 7 \\ \hline 2 \text{ } 2 \text{ } 5 \text{ } 9 \end{array}$$

 $7 - 2 = 5$

6. (A)
$$\begin{array}{r} 7 \text{ } 4 \text{ } 1 \text{ } 0 \\ - 1 \text{ } 0 \text{ } 7 \text{ } 4 \\ \hline 6 \text{ } 3 \text{ } 3 \text{ } 6 \end{array}$$

7. (B) Ten minutes past 10.

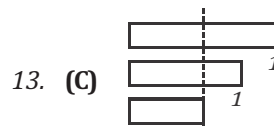
8. (C) There are 12 parts 4 are shaded, for $\frac{3}{4}$ of the figure 5 more squares must be shaded.

9. (D) ₹ 1 coins - 2
 50 p coins - 2
 $1 \times 2 = 2$
 $50p \times 2 = 1$
 $\underline{\quad 3}$

10. (B) $6 \times 6 = 36$; $8 \times 8 = 64$
 $36 + 64 = 100$
 Altogether there are 100 legs.

11. (D) Pole B = $782 \div 2 = 391$
 Pole A = $391 + 83 = 474$ cm
 i.e., 4m 74cm

12. (D) Monday to thursday = 4 days
 Saturday = 1 day
 In a week Bala works 5 days
 No. of hours he works = $9 \times 5 = 45$.



i.e., $1641 - 3 = 1638$
 $1638 \div 3 = 546$



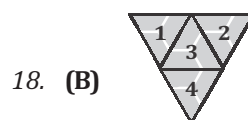
Excess water in A must be equally distributed.
 i.e., $250 \div 2 = 125$ ml.

15. (C) Total mass is 1250 g
 Mass of 3 mugs = $1250 - 50 = 1200$
 Mass of a mug = $1200 \div 3 = 400$ g.

Reasoning

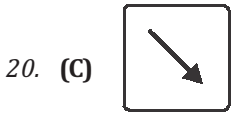
16. (A) First pair has 2 legs. Second pair has 8 legs.
 Third pair must have 4 legs.

17. (A) $(4 + 3) - 3 = 4$; $(6 + 4) - 3 = 7$
 $(3 + 1) - 3 = 1$; $(5 + 2) - 3 = 4$



And one complete triangle. Hence there are 5 triangles.

19. (D) In every alternate step one circle is added inside.



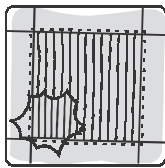
21. (C) BW DY FZ HC JE

22. (C) On adding first two row of the correspond columns we get the third row element.



23. (D) Option (D) is rotated in the same direction as the other three.

24. (B) Place option (B) in the question figure.

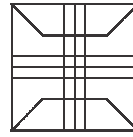


25. (C)
$$\begin{matrix} 2 & 0 & 1 \\ U & C & \end{matrix} \quad \begin{matrix} 1 & 7 \\ C & O \end{matrix}$$

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26. (C) In 1st and 3rd row grey shade varies alternately from outer to inner and vice versa, whereas middle row completely fill and completely empty.

27. (D) Option (D) completes the given figure.



28. (C) Friday



30. (D) **PRESCRIPTION**

Computers

31. (D) 32. (A) 33. (D) 34. (A) 35. (B)
36. (C) 37. (B) 38. (D) 39. (C) 40. (D)
41. (B) 42. (B) 43. (A) 44. (C) 45. (A)

English

46. (C) 47. (D) 48. (C) 49. (D) 50. (C)

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