



**UNIFIED COUNCIL**

An ISO 9001:2008 Certified Organisation



## UNIFIED CYBER OLYMPIAD - UC335 (UPDATED)

### Solutions for class : 4

#### Mental Ability

1. (B)  $5 + 10 + 15 + 30 = 60$

2. (C)  $56 \text{ cm} \div 4 = 14 \text{ cm}$

$$14 \times 14 = 196 \text{ cm}^2$$

$$1 - \frac{2}{7} = \frac{5}{7} \text{ (shaded)}$$

$$\frac{5}{7} \times 196 = 140 \text{ cm}^2$$

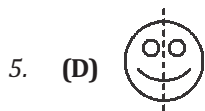
3. (A)  $\frac{2}{3} + \frac{2}{9} = \frac{6}{9} + \frac{2}{9} = \frac{8}{9}$  (used)

$$1 - \frac{8}{9} = \frac{1}{9}$$

4. (B)  $4 \times 8 = 32$

$$3 \times 3 \times 3 = 27$$

$$8 - 3 = 5$$



6. (C)

7. (A)  $5 \text{ ones } 4 \text{ tenths} = 5.4$

$$89 \text{ hundredths} = 0.89$$

$$5.4 - 0.89 = 4.51$$

8. (C)  $216 \div 9 = 24$

$$24 \times 2 = 48$$

9. (C)  $8.50 \times 2 = 17$

$$6.50 \times 3 = 19.5$$

$$17 + 19.5 = ₹ 36.5$$

10. (B)  $\frac{3}{5} \times 3 = 1.8$

$$2 - 0.399 = 1.601$$

$$= 2 \frac{1}{20} + 0.87 = 2.92$$

$$13 \div 8 = 1.625$$

11. (B)  $40 \times \frac{3}{4} = 30$  (used)

$$40 - 30 = 10 \text{ m (left)}$$

12. (D) Among the options 28 is a multiple of 4 and also a factor of 56.

13. (D)  $0.4 \times 500 = 200$

$$\frac{3}{10} \times 90 = 27$$

$$200 - 27 = 173$$

14. (D)  $4 \text{ tea cups} + 2 \text{ tea pots} = ₹ 198$

$$4 \text{ tea cups} + 5 \text{ tea cups} = ₹ 198$$

$$9 \text{ tea cups} = ₹ 198$$

$$1 \text{ tea cup} = 198 \div 9 = 22$$

$$5 \text{ tea cups} = 22 \times 5 = 110$$

$$2 \text{ tea pots} = 110$$

$$1 \text{ tea pot} = 110 \div 2 = 55$$

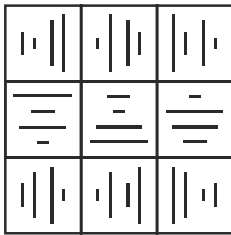
15. (C)  $1 \frac{3}{4} = \frac{7}{4}$

$$\frac{1}{4} \text{ of a complete turn} = 2 \times 45$$

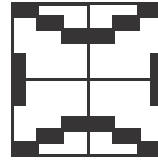
$$\frac{7}{4} \text{ of a complete turn} = 14 \times 45$$

**Reasoning**

16. (D) Rotating of  $45^\circ$  clockwise.  
 17. (C) The three shapes change positions in a pattern and among the options, option (C) is the appropriate answer.  
 18. (D) Option (D) is right hand.  
 19. (C) Option (C) fits exactly in the space.



20. (D)
21. (D) Number of sides is not same as the number of stars inside.
22. (C)  $(2 + 3) \times 6 = 30$   
 $(4 + 1) \times 5 = 25$   
 $(6 + 2) \times 4 = 32$
23. (A)
24. (D) Thursday



25. (D)
26. (B)  $26 \div 2 = 13$
27. (B) 4 sides  $\rightarrow$  code is 4  
 5 sides  $\rightarrow$  code is 5  
 corner 3 sides shaded triangle  $\rightarrow$  code is 3  
 corner 4 sides shaded figure  $\rightarrow$  code is 4  
 Hence the code for the figure is 53.



29. (A) Mirror image of middle number.  
 Hence option (A) is correct.
30. (D) Code for UCO is option (D)  
 i.e., \* + ☆

**Computers**

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

**English**

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