



UNIFIED COUNCIL

An ISO 9001:2008 Certified Organisation



UNIFIED CYBER OLYMPIAD - UC335 (UPDATED)

Solutions for class : 5

Mental Ability

- (C) $23 + 8 = 31$
So on 31st he is at Kashi and on 1st he is at your house.
Ganesha reach your house at 1st sep.2017.
- (D) $9.801 \times 100 = 908.1 \neq 9801$
 $5.243 \times 10 = 52.43 \neq 524.3$
 $96.4 \times 1000 = 96400 \neq 9640$
 $28.474 \times 100 = 2847.4 = 2847.4$
- Delete
- (B) $\frac{600g+900g+680g+1008g}{4} = \frac{3188}{4} = 797g.$
- (D) $3 \times K = 42$
 $3 \times 14 = 42$
So, $K = 14$
 $\therefore K - 3 = 14 - 3 = 11.$
- (B) The number formed using the digit values of 2 on each number card is 202220.
- (A) $3\frac{2}{1000} = \frac{3002}{1000} = 3.002$
Difference between 3.002 and 0.17 is 2.832.
Rounding off answer to two decimal places is 2.830.
- (D) Each shirt costs 28.50
Discount on each shirt = 2.35
So, each shirt cost after discount
 $= 28.50 - 2.35 = 26.15$
Cost of dozen shirts = $26.15 \times 12 = 313.80.$
- (C) According to divisibility rule by 4 if last two digits of a number is divisible by 4, then the entire number is divisible by 4.
So, $84 \div 4 = 21.$
- (A) $44 \div 4 + 2 \times 5 - 18 = 3$

$$72 - 36 \div 9 + 5 = 73$$

$$27 - 3 \times 5 \div 5 = 24$$

$$6 \times 4 \div 8 + 30 = 33.$$

$$11. (A) 4\frac{1}{5} + \boxed{} = 9\frac{3}{10}$$

$$\boxed{} = 9\frac{3}{10} - 4\frac{1}{5} = \frac{93}{10} - \frac{21}{5}$$

L.C.M. of 10, 5 is 10

$$= \frac{93 - 42}{10} = \frac{51}{10} \Rightarrow 5\frac{1}{10}$$

$$\text{So, } \boxed{} = 5\frac{1}{10}$$

12. (A) $3 \times 10 = 30.$ (One decade is equal to 10 years)

13. (B) 1470 ml = 1 l 470 ml

14. (D) Roman numeral L can never be subtracted.

I can be subtracted from V and X only.

X can be subtracted from L and C only as L and C are greater than X.

C can be subtracted from D and M.

15. (A) Prime factors of 36 = 2, 3

$$\text{So, } 2 + 3 = 5.$$

Reasoning

16. (C) Change in positions diagonally and a new shape in the right top corner appears.

17. (B) Here Sum of positions of A & B from opposite ends = $35 + 22 = 57 >$ Total no. of persons

No. of persons between A & B = (Position of A from left + Position of B from right) - Total no. of students - 2










No. of persons between A & B = $(35+22) - 54 - 2 = 57 - 54 - 2 = 1$

18. (C) Sum of letter position in the alphabet and the given number is 16

i.e., position of I is 9 and if the number is 7, the sum will be 16.


19. (D)  :  ::  : 

20. (B)

21. (D)

GH		JK		MN	
F	L	P	I	N	S
M		O		Q	
QR		TU		WX	

22. (B) 



23. (D) $(6 + 3 + 9 + 2) \div 2 = 10$
 $(8 + 2 + 4 + 2) \div 2 = 8$
 $(8 + 1 + 6 + 3) \div 2 = 9$

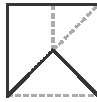
24. (C) 

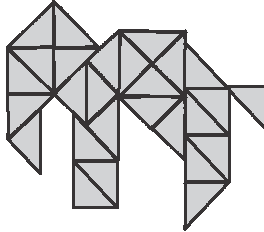
25. (C)

A	B	C	D	E	F	G	H	I	J	K	L	M
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Z	Y	X	W	V	U	T	S	R	Q	P	O	N

FXL is the code for UCO.

26. (C)  : 

27. (D) 

28. (D) 

29. (D)

1	2	3	:	5	7	9	::	6	7	8	:	10	12	14
			+4									+4		
			+5									+5		
			+6									+6		

30. (C) Lines in the circle divide the circle into 7 regions.

Computers

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

English

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

The End 