

NUMBER AND SERIES

Find the missing terms:

1. 1, 2, 9, ?, 16900
(a) 19 (b) 121 (c) 100 (d) 45
2. 2, 4, 16, 512, ?
(a) 2048 (b) 16384 (c) 524288 (d) 131072
3. 6, 9, 7, 10, 8, 11, ?
(a) 14 (b) 8 (c) 9 (d) 11
4. 563, 647, 479, 815, ?
(a) 672 (b) 386 (c) 279 (d) 143
5. 0, 7, 26, 63, 124, ?
(a) 210 (b) 215 (c) 211 (d) 224
6. 72, 9, 82, 10, 88, 16, 86, 14, 99, ?
(a) 102 (b) 22 (c) 18 (d) 16
7. 6, 5, 7, 12.5, 27, ?
(a) 69 (b) 57.5 (c) 67.5 (d) 69.5
8. 2, 11, 58, 295, 1482, ?
(a) 6750 (b) 4450 (c) 6459 (d) 7419
9. 7, 12, 20, 37, 81, 206, ?
(a) 324 (b) 306 (c) 280 (d) 574
10. 6, 24, 60, 120, 210, ?
(a) 363 (b) 336 (c) 346 (d) 333
11. 1, 2, 6, 7, 21, 22, 66, 67, ?
(a) 124 (b) 201 (c) 402 (d) 98
12. 2, 3, 19, 100, 356, 981, ?
(a) 1289 (b) 2277 (c) 2028 (d) none of these

Direction: Find the odd man out:

13. 6, 9, 15, 21, 24, 28, 30
(a) 28 (b) 21 (c) 24 (d) 30
14. 10, 25, 45, 54, 60, 75, 80
(a) 10 (b) 45 (c) 54 (d) 75

CODING AND DECODING

15. If in a certain code “RANGE” is coded as 12345 and “RANDOM” is coded as 123678. Then the code for the word “MANGO” would be?
(a) 82357 (b) 84629 (c) 82347 (d) 83274
16. If “PROMPT” is coded as QSPLOS, then “PLAYER” should be?
(a) QMBZFS (b) QMBXDQ (c) QUREXM (d) URESTI
17. In a certain code language, 'no more food' is written as 'ta ka da' and 'more than that' is written as 'sa pa ka'. How is 'that' written in that code language?
(a) Sa (b) ka (c) sa or pa (d) data inadequate
18. In a certain code GUEST is written as 53@\$2 and MEAN is written as 6@4#. How is SAME written in that code?
(a) 4\$6@ (b) \$46@ (c) \$36@ (d) 5\$6@
19. If in a code, $52 - 36 = 97$ and $46 - 78 = 1510$, then how $53 - 62$ can be encoded?
(a) 1520 (b) 88 (c) 2015 (d) 201
20. In a certain code language ‘tree is very beautiful’ is written as ‘ka na da ta’ and ‘this is strong tree’ is written as ‘na pa sa ka’. How is ‘beautiful’ written in that code language?
(a) Da (b) ta (c) sa (d) data inadequate
21. In certain code language ‘si po re’ means ‘book is thick’, ‘ti na re’ means ‘bag is heavy’, ‘ka si’ means ‘interesting book’ and ‘de ti’ means ‘that bag’. What should stand for ‘that is interesting’ in that code language?
(a) ka re na (b) de si re (c) ti po ka (d) de re ka
22. In certain code, RELATION is written as ZKDQMNHS and NOSE is written as NMDR. How will MISTER be written in that code?
(a) NHRQFS (b) QHLMDQ (c) RHLMDQ (d) RHLQDS
23. In certain code language, CHANAKYA is coded as ZBPZMZSX. How will KAUTILYA be coded in the same code language?
(a) ZBMNFGZP (b) ZBORGFPZ (c) ZBOMFGZP (d) ZBONGFPZ
24. In a certain code language, 732 means ‘intelligent trained faculty’ 285 means ‘highly intelligent student’, 816 means ‘student and teacher’. Which numerical symbol in that code language stands for ‘highly’?
(a) 5 (b) 8 (c) 7 (d) 2
25. In certain code language, ROCK=47 and LATE=38. Find the code for FOOL.
(a) 48 (b) 52 (c) 26 (d) 32

26. In certain code language SERIES is coded as 5625 and PIPE is coded as 2116. How will WAP be coded in the same code language?
(a) 1331 (b) 1600 (c) 1728 (d) 4096
27. If in certain code 1326 is coded as 8673, and 5670 is coded as 4329, then the code for 0009 will be
(a) 9990 (b) 1110 (c) 8881 (d) 1090
28. If blue is coded as green, green is coded as white and white is code as black, and then what will be the code for the colour of grass?
(a) White (b) Green (c) Black (d) none of these
29. In a certain code language, 'po se de' means 'she is good', 'tep re po' means 'good are clever' and 'se tep flu' means 'boy is clever'. Which of the following means 'are' in that language?
(a) re (b) tep (c) po (d) se
30. If 'green' is called 'white', 'white' is called 'yellow', 'yellow' is called 'blue', 'blue' is called 'pink' and 'pink' is called 'black', then what is the colour of milk?
(a) green (b) blue (c) yellow (d) pink
31. If $35+48=40$, $23+34=24$, $15+25=26$, then $11+21=?$
(a) 15 (b) 18 (c) 10 (d) 20