

REASONING

(Answer Key on page 3)

NUMBER SERIES:

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|--------------------------------------|---------|---------|---------|---------|
| 1) 3, 9, 15, 21, , 33 | a) 26 | b) 27 | c) 29 | d) 30 |
| 2) 12, 15, 20, 27, 36, | a) 47 | b) 51 | c) 48 | d) 53 |
| 3) 1, 2, 4, 8, , 32, 64 | a) 12 | b) 15 | c) 18 | d) 16 |
| 4) 2, 8, 3, 27, 4, 64, 5, | a) 155 | b) 225 | c) 125 | d) 245 |
| 5) 14, 316, 536, 764, | a) 9100 | b) 8800 | c) 961 | d) 990 |
| 6) 26, 63, , 215, 342 | a) 123 | b) 124 | c) 120 | d) 121 |
| 7) 1, 4, 8, 13, 19, | a) 25 | b) 28 | c) 26 | d) 27 |
| 8) 13, 17, 19, 23, 29, | a) 37 | b) 33 | c) 35 | d) 31 |
| 9) 1, 3, 9, 27, , 243 | a) 81 | b) 95 | c) 121 | d) 91 |
| 10) 3, 6, 18, 72, 360, | a) 2340 | b) 1280 | c) 2160 | d) 1290 |
| 11) 29, 425, 649, | a) 810 | b) 881 | c) 961 | d) 991 |
| 12) 2, 10, 30, 68, | a) 110 | b) 120 | c) 115 | d) 130 |
| 13) 10, 12, 15, 20, 27, 38, | a) 53 | b) 49 | c) 47 | d) 51 |
| 14) 4, 7, 6, 10, 8, 13, | a) 12 | b) 10 | c) 14 | d) 15 |
| 15) 2, 10, 37, 101, 226, | a) 446 | b) 351 | c) 442 | d) 451 |
| 16) 5, 6, 7, 11, 10, 17, 14, 23, ... | a) 22 | b) 18 | c) 16 | d) 19 |
| 17) 1, 2, 6, 21, 88, | a) 445 | b) 448 | c) 450 | d) 484 |
| 18) 13, 17, 25, 32, 37, 47, | a) 57 | b) 67 | c) 51 | d) 58 |
| 19) 24, 60, 120, 210, 336, | a) 504 | b) 520 | c) 510 | d) 530 |
| 20) 37, 50, 65, 82, 101, 122, | a) 163 | b) 170 | c) 145 | d) 165 |

LETTER SERIES:

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|---------------------------|--------|--------|--------|--------|
| 21) C, F, I, L, O, | a) R | b) S | c) P | d) T |
| 22) B, C, E, H, L, | a) P | b) M | c) Q | d) R |
| 23) D, F, I, N, U, | a) X | b) F | c) N | d) W |
| 24) AB, DF, HK, MQ, | a) TX | b) UY | c) SX | d) VZ |
| 25) CDE, GHI, KLM, | a) RST | b) NOP | c) PQR | d) OPQ |

26) Which letter is to the immediate right of the letter, which is the 4th to the left of K?

27) Find the letter 2 places to the left of the letter, which is 7 places to the right of R?

NUMBER AND LETTER ANALOGIES:

- 28) 9 : 16 :: 25 : a) 33 b) 37 c) 36 d) 42
- 29) 289 : 982 :: 453 : a) 1253 b) 354 c) 786 d) 1353
- 30) 7 : 26 :: 63 : a) 124 b) 86 c) 116 d) 143
- 31) 11 : :: 19 : 23 a) 14 b) 17 c) 13 d) 12
- 32) 785 : 730 :: 325 : a) 290 b) 320 c) 250 d) 310
- 33) 2 : 108 :: 3 : a) 226 b) 218 c) 232 d) 162
- 34) 25 : 30 :: 169 : a) 190 b) 182 c) 196 d) 200
- 35) E : I :: O : a) V b) R c) U d) T
- 36) AC : DF :: HJ : a) KM b) PQ c) MN d) LN
- 37) ZYX :: ABC :: : DEF a) XWV b) HGF c) WVU d) KJI

WORD ANALOGIES:

- 38) Snake : Hisses :: Hyena : ?
a) Bleats b) Laughs c) Grunts d) Brays
- 39) Major : Battalion :: Colonel : ?
a) Company b) Regiment c) Army d) Soldier
- 40) Brick : Wall :: : Shirt
a) Button b) Collar c) Fabric d) Sleeve
- 41) Carpenter : Saw :: Sculptor : ?
a) Knife b) Brush c) Table d) Chisel
- 42) Car : Garage :: Airplane : ?
a) Port b) Depot c) Hangar d) Harbour
- 43) Acting : Theatre :: Gambling : ?
a) Casino b) Club c) Bar d) Gym
- 44) Bus : Diesel :: Cell Phone :
a) SIM b) Chip c) Speaker d) Battery
- 45) Matricide : Mother :: Homicide : ?
a) Human b) Soldiers c) Father d) Apes
- 46) Cow : Herd :: Leopard : ?
a) Ambush b) Pride c) Leap d) None of these

Answer Key & Explanation:

- 1) b (Ans: 27. Pattern - Differences are +6, +6, +6, +6,)
- 2) a (Ans: 47. Pattern - Differences are +3, +5, +7, +9, +11,)
- 3) d (Ans: 16. Pattern $x^2, x^2, x^2, x^2, \dots$)
- 4) c (Ans: 125. Pattern 2, $2^3, 3, 3^3, 4, 4^3, 5, 5^3, \dots$)
- 5) a (Ans: 9100. Pattern $14=1&2^2, 316=3&4^2, 5&6^2, 7&8^2, 9&10^2, \dots$)
- 6) b (Ans: 124. Pattern $3^3-1, 4^3-1, 5^3-1, 6^3-1, 7^3-1, \dots$)
- 7) c (Ans: 26. Pattern - Differences are +3, +4, +5, +6, +7,)
- 8) d (Ans: 31. Pattern - Consecutive prime numbers)
- 9) a (Ans: 81. Pattern $x^3, x^3, x^3, x^3, x^3, \dots$)
- 10) c (Ans: 2160. Pattern $x^2, x^3, x^4, x^5, x^6, \dots$)
- 11) b (Ans: 881. Pattern $29=2&3^2, 425=4&5^2, 6&7^2, 8&9^2, \dots$)
- 12) d (Ans: 130. Pattern $1^3+1, 2^3+2, 3^3+3, 4^3+4, 5^3+5, \dots$)
- 13) d (Ans: 51. Pattern - Differences are +2, +3, +5, +7, +11, +13,)
- 14) b (Ans: 10. Pattern - Alternate terms form a series: 4 (+2) 6 (+2) 8 (+2) 10
- 15) c (Ans: 442. Pattern $1^2+1, 3^2+1, 6^2+1, 10^2+1, 15^2+1, 21^2+1, \dots$)
- 16) d (Ans: 19. Pattern - Alternate terms form a series: 5 (+2) 7 (+3) 10 (+4) 14 (+5) 19,
- 17) a (Ans: 445. Pattern $x^1+1, x^2+2, x^3+3, x^4+4, x^5+5, x^6+6, \dots$)
- 18) d (Ans: 58. Pattern – Differences between the numbers are the sum of the digits of the number just before each difference. +4, +8, +7, +5, +10, +11,)
(1+3) (1+7) (2+5) (3+2) (3+7) (4+7)
- 19) a (Ans: 504. Pattern $3^3-3, 4^3-4, 5^3-5, 6^3-6, 7^3-7, \dots$)
- 20) c (Ans: 145. Pattern $6^2+1, 7^2+1, 8^2+1, 9^2+1, 10^2+1, 11^2+1, 12^2+1, \dots$)

Letter Series:

(It is better to recall the position values of English Alphabets. A=1, B=2, C=3, D=4, E=5, F=6, G=7,..... X=24, Y=25, Z=26, next A=27, B=28, C=29, D=30, E=31, F=32, G=33, H=34 etc)

- 21) a (Ans: R. Pattern - Differences of letters are +3, +3, +3, +3, +3,)
- 22) c (Ans: Q. Pattern - Differences of letters are +1, +2, +3, +4, +5,)
- 23) b (Ans: F. Pattern - Differences of letters are +2, +3, +5, +7, +11,)
- 24) c (Ans: SX. Pattern - Consider first letters of each pair A (+3) D (+4) H (+5) M (+6) S second letters of each pair B (+4) F (+5) K (+6) Q (+7) X.)
- 25) d (Ans: OPQ. Pattern - Consider first letters of each pair C (+4) G (+4) K (+4) O.)
- 26) Ans: H
- 27) Ans: W
- 28) c (Ans: 36. Pattern $9(3^2) : 16(4^2) :: 25(5^2) : 36(6^2)$)
- 29) b (Ans: 354. Pattern 289 : 982 (Digits of 289 in reverse order, therefore 453 : 354)
- 30) a (Ans: 124. Pattern $7(2^3-1) : 24(3^3-1) :: 63(4^3-1) : 124(5^3-1)$)
- 31) c (Ans: 13. Pattern 19 : 23 (Consecutive prime numbers), therefore 11 : 13)
- 32) a (Ans: 290. Pattern $785(28^2+1) : 730(27^2+1) :: 325(18^2+1) : 290(17^2+1)$)
- 33) d (Ans: 162. Pattern 2 (x54) 108 :: 3 (x54) 162
- 34) b (Ans: 182. Pattern $25(5^2) : 30(5^2+5) :: 169(13^2) : 182(13^2+13)$)
- 35) c (Ans: U. Pattern E : I (Consecutive vowels), therefore, O : U)
- 36) a (Ans: KM. Pattern A C : D F :: H J : K M
(1)(3) (4)(6) (8)(10) (11)(13)
- 37) c (Ans: WVU. Pattern ZYX (last 3 letters reverse) : ABC (first 3 letters) so on)
- 38) b (Ans: Laughs - Animal and sound)
- 39) b (Ans: Regiment)
- 40) c (Ans: Fabric - Raw material and final product)
- 41) d (Ans: Chisel - Workman and tool)
- 42) c (Ans: Hangar - Parking place)
- 43) a (Ans: Casino)
- 44) d (Ans: Battery)
- 45) a (Ans: Human - Killing of mother matricide, killing of father patricide, human - homicide)
- 46) c (Ans: Leap - Animal and their group)