

General Science and ability

Find the missing number to complete each sum

(a) $9 + 8 - 5 = 2 \times (6)$

b $3 \times 9 - 14 = 24 - (11)$

(c) $15 \div 3 \times 12 = 41 + (19)$

(d) $24 \div 4 + 5 = 66 \div (6)$

(e) $8 \times 6 - 13 + 3 = 7 \times 6 - (4)$

Question #02

Missing Number

(a) 1, 8, 27, 64, 125, 216

(b) 4, 18, —, 100, 180, 294

(c) 132, 156, 182, 210, 240

(d) 8, 24, 12, 36, 18, 54, 26

(e) 15, 31, 63, 127, 255

Question #03

Find the missing terms

- (a) 121, 11, 81, 9, 49, 7
(b) 100, 50, 25, 12.5, 6.25
(c) 4, 9, 64, 125, 1296, 2401
(d) 2, 5, 12, 24, 48, 96
(e) 44, 22, 66, 33, 132, 88

Question #04

- (1) BCB, DED, FGF, HIH, JKJ
(2) QPO, NML, KJI, HGF, EDC
(3) SCD, TEF, UGH, VIJ, WKL
(4) QAR, RAS, SAT, TAU, UAV
(5) JAK, KBL, LCM, MDN, NEO
(6) ELFA, GLHA, ILTA, KLLA, MLNA

Q#05

- A) (1) 2, 3, 6, 4, 5, 20, 6, 3, 18
(2) 1, 3, 9, 15, 25, 35, 49
(3) 2, 7, 10, 22, 18, 37, 26, 52
(4) 34, 7, 37, 14, 40, 28, 43, 56
(5) 5, 7, 11, 13, 17, 19

Question #06

- (I) 2, 4, 12, 48 240
- (II) 5, 10, 13, 26, 29, 58, 61 122
- (III) 15, 19, 28, 44 69, 105
- (IV) B, E, K, W U
- (V) $\frac{1}{2}(476 + 424)^2 - 4 \times 476 \times 424 = 2704$