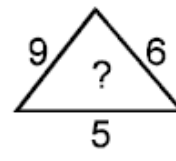
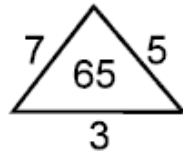
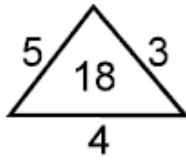


TNPSC MATHS 4.7.25

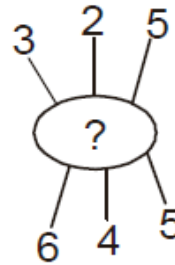
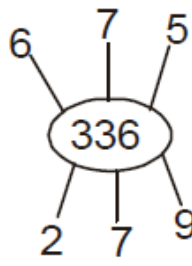
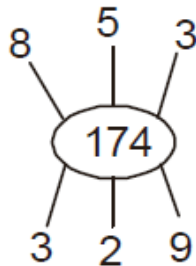


(A) 112 (B) 92 (C) 82 (D) 102

Sol. In figure I, $52 - 42 + 32 = 18$

In figure II, $72 - 32 + 52 = 65$

In figure III, $92 - 52 + 62 = 92$ Ans.



(A) 140 (B) 150 (C) 200 (D) 180

Sol. In figure first]

$$8 \times 5 \times 3 + 3 \times 2 \times 9 = 120 + 54 = 174$$

In figure second]

$$6 \times 7 \times 5 + 2 \times 7 \times 9 = 210 + 126 = 336$$

missing number in figure]

$$3 \times 2 \times 5 + 6 \times 4 \times 5 = 30 + 120 = 150$$

Ans.

FIND THE MISSING NUMBERS

Q.1 1, 4, 9, 16, 25, ?

(A) 35

(B) 49

(C) 36

(D) 64

Q.2 6, 12, 7, 11, 8, 10, 9, ?

(A) 8

(B) 15

(C) 9

(D) 14

Q.3 5, 9, 16, 29, 54, _

(A) 92

(B) 89

(C) 79

(D) 103

Q.4 1, 3, 7, 13, _

(A) 19

(B) 23

(C) 21

(D) 25

Q.5 16, 33, 67, 135, _

(A) 371

(B) 175

(C) 271

(D) 287

Q.6 1, 10, 17, 22, 25, ?

(A) 26

(B) 25

(C) 27

(D) 29

Q.7 0.5, 1.5, 3, 5, 7.5, 10.5,

(A) 21

(B) 13.5

(C) 14

(D) 15

Q.8 2, 9, 28, 65

(A) 121

(B) 195

(C) 126

(D) 103

Q.12 $\frac{1}{5}, \frac{3}{7}, \frac{6}{11}, \frac{10}{19}, ?$ (A) $\frac{11}{13}$ (B) $\frac{12}{25}$ (C) $\frac{3}{7}$ (D) $\frac{15}{38}$

Q.13 4, 9, 20, 43,

(A) 133

(B) 84

(C) 96

(D) None of these

Q.14 6, 24, 60, 120, 210, 336, __, 720

(A) 496

(B) 502

(C) 504

(D) 498

Q.15 0, 3, 8, 15, 24, ?

(A) 30

(B) 35

(C) 48

(D) 63

Q.16 3, 10, 29, 66, 127, ?

(A) 164

(B) 187

(C) 216

(D) 218

Q.17 77, 78, 77, 81, 73, ... 55

(A) 69

(B) 71

(C) 82

(D) 89

Q.18 5, 7, ..., 9, 7, 11, 8, 13

(A) 8

(B) 6

(C) 19

(D) 7

Q.9 1,4,2,8,6,24,22,88, ?

- (A) 86 (B) 90
(C) 154 (D) 352

Q.10 1, 2, 3, 6, 12, ?

- (A) 18 (B) 24
(C) 36 (D) 48

Q.11 240, ? , 120, 40, 10, 2

- (A) 120 (B) 240
(C) 40 (D) 10

Q.19 4, 8, 12, 24, 36, 72,

- (A) 108 (B) 98
(C) 92 (D) 96

Q.20 7776, 1296, 216,.....

- (A) 16 (B) 36
(C) 108 (D) 21

Q.21 -15, 2, 21, 42,.....

- (A) 62 (B) 84
(C) 65 (D) 66

Q.22 4, 16, 36, ?, 100, 144

- (A) 72 (B) 68
(C) 81 (D) 64

Directions (Q.23 to 36): Find the missing term

Q.23 V, T, R, ?, N, ?

- (A) P, M (B) O, L
(C) P, L (D) O, M

Q.24 AB, BA, ABD, DBA, PQRS, ?

- (A) SRQP (B) SRPQ
(C) SQRP (D) RSQP

Q.25 2B, 4C, 8E, 14H, ?

- (A) 22L (B) 24L
(C) 22K (D) 22M

Q.26 5X9, 8U12, 11R15, 14O18, ?

- (A) 17L21 (B) 17K21
(C) 17M21 (D) 17L23

Q.27 6C7, 8F10, 11J14, 15O19, ?

- (A) 19U24 (B) 20U25
(C) 19U25 (D) 20U24

Q.28 A, H, N, S, W, ?

- (A) A (B) Y
(C) B (D) Z

Q.29 AF, EJ, IN, OT, ?

- (A) UX (B) UY
(C) UN (D) UZ

Q.35 F3X, H7U, J15R, L31O, ?

- (A) M63L (B) N63L
(C) N61L (D) N65K

Q.36 AH, DL, GP, JT, ?

- (A) MY (B) NX
(C) MX (D) NY

Directions (Q.37 to 47): Find the wrong term(s).

Q.37 ECA, JHF, OMK, TQP, YWU

- (A) ECA (B) JHF
(C) TQP (D) YWU

Q.38 ABD, DGK, HMS, NTB, SBL, ZKW

- (A) NTB (B) DGK
(C) SBL (D) ZKW

Q.39 0, 0, 1, 3, 5, 10, 15, 21

- (A) 0 (B) 1
(C) 5 (D) 21

Q.40 5, 10, 12, 24, 26, 48, 54

- (A) 10 (B) 24
(C) 26 (D) 48

Q.41 2, 6, 11, 17, 23, 32, 41

- (A) 6 (B) 17
(C) 23 (D) 32

Q.30 KTE, SBM, AJU, IRC, ?

- (A) KZQ (B) ZRL
(C) QZK (D) LYJ

Q.42 1 2 6 21 84 445 2676

- (A) 2 (B) 6
(C) 21 (D) 84

Q.31 $C_3, H_8, O_{15}, \dots$

- (A) X_{24} (B) I_{35}
(C) T_{26} (D) J_{35}

Q.43 2 5 11 20 30 47

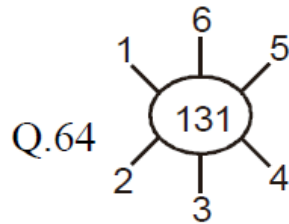
- 65
(A) 5 (B) 20
(C) 30 (D) 47

Q.32 BE, FI, JM, ?, RU

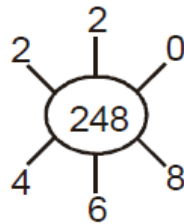
- (A) UW (B) NO
(C) NQ (D) PN

Q.44 3 7 15 27 63 127 255

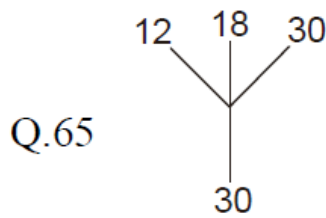
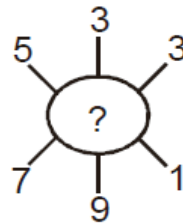
- (A) 15 (B) 27
(C) 63 (D) 127



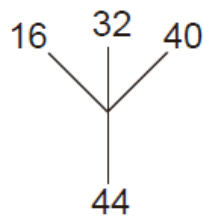
- (A) 262
(C) 320



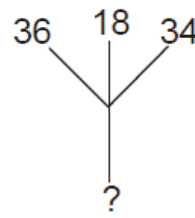
- (B) 274
(D) 132



- (A) 48
(C) 44



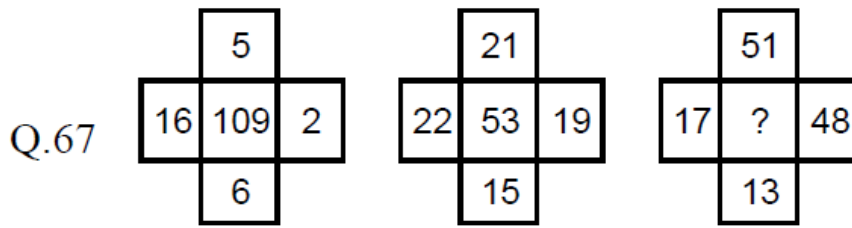
- (B) 9
(D) 64



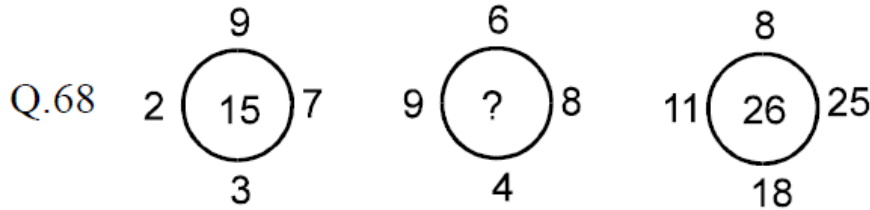
Q.66

10	54	?
7	45	32
24	144	68

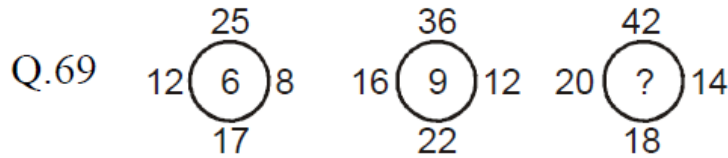
- (A) 42 (B) 36
(C) 6 (D) 4



- (A) 25 (B) 129
(C) 7 (D) 49



- (A) 72 (B) 18
(C) 9 (D) 19



- (A) 6 (B) 15
(C) 30 (D) 47

ANSWER KEY

Q.1	C	Q.2	C	Q.3	D	Q.4	C	Q.5	C	Q.6	A	Q.7	C
Q.8	C	Q.9	A	Q.10	B	Q.11	B	Q.12	C	Q.13	D	Q.14	C
Q.15	B	Q.16	D	Q.17	C	Q.18	B	Q.19	A	Q.20	B	Q.21	C
Q.22	D	Q.23	C	Q.24	A	Q.25	A	Q.26	A	Q.27	B	Q.28	D
Q.29	D	Q.30	C	Q.31	A	Q.32	C	Q.33	C	Q.34	C	Q.35	B
Q.36	C	Q.37	C	Q.38	A	Q.39	C	Q.40	D	Q.41	C	Q.42	D

Q.64 A Q.65 C Q.66 D Q.67 A Q.68 D Q.69 B