

Completion of Number and Alphabetical Series for Railway Exams

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Completion of Number and Alphabetical Series for Railway NTPC/Group D /RPF Exams

1. Find the missing term the series.

0.35, 0.49, 0.63, 0.77, ?, 1.05

- a) 0.84
- b) 9.1
- c) 0.91
- d) 8.4

2. Complete the series.

17, 23, 31, 37, 45, 51, 59, ?

- a) 82
- b) 64
- c) 65
- d) 67

3. Complete the series.

AZ, BY, CX, DW, ?

- a) EF
- b) FU
- c) GH
- d) EV

4. Find the missing number in the series.

6, 8, 9, 12, ?, 18, 21

a) 14

b) 15

c) 13

d) 16

5. Complete the series.

0, 7, 26, 63, 124, ?

- a) 217
- b) 342
- c) 215
- d) 344

6. Choose the correct alternative from the given options that will complete the series.

XWV, TSR, PON, LKJ, ?

- a) HFG
- b) HHE
- c) HGF
- d) HIF

7. Find the missing number in the series.

2, 7, 14, 23, ?, 47

a) 37

Completion of Number and Alphabetical Series for Railway Exams

b) 34

c) 35

d) 38

8. Find the missing number in the series.

B-25, ?, F-9, H-4

a) C-16

b) D-16

c) E-25

d) C-25

9. Complete the series.

12A6Z, 24C4X, 36E2V, ?

a) 48GOT

b) 48G0T

c) 4G80T

d) 4G8OT

10. Complete the series.

DO, EP, FQ, GR, ?

a) IT

b) IR

c) HT

d) HS

11. Select the number that will replace the '?' in the given series.

3E, 9G, 27I, ? , 243M

a) 81L

b) 81J

c) 81K

d) 81M

12. Select the number that will continue the given series.

25, 31, 38, 46, ?

a) 55

b) 57

c) 54

d) 52

13. Select the term that will continue the given series.

3T, 3A, 6S, 6B, 12R, 12C, ?

a) 48Q

b) 24Q

c) 48R

d) 24D

14. Select the number that will continue the given series.

4, 8, 8, 16, 12, 24, ?

a) 48

b) 32

c) 16

d) 12

15. Complete the series.

1, 8, 27, 64, ?

a) 125

Completion of Number and Alphabetical Series for Railway Exams

b) 216

c) 625

d) 25

16. Select the letter cluster that will replace the '?' in the given series.

BCA, FGE, ? NOM, RSQ, VWU

a) JIL

b) JIK

c) JKI

d) IJK

17. Select the number that will replace the '?' in the given series.

3, 4, 6, 8, 12, ?, 18

a) 13

b) 14

c) 17

d) 16

18. Select the term that will replace the '?' in the given series.

J, M, P ?, V, Y

a) T

b) R

c) Q

d) S

19. Complete the series.

55, 58, 64, ? 85

a) 73

b) 71

c) 83

d) 78

20. Complete the series.

2, 5, 14, 41, 122, ?

a) 356

b) 265

c) 365

d) 256

21. Complete the series.

24, 39, 57, 78, ?

a) 108

b) 88

c) 98

d) 102

22. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

LMK, FGE, ZAY, TUS, ?

a) BMQ

b) SRB

c) LZD

d) NOM

Completion of Number and Alphabetical Series for Railway Exams

23. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

RSK, TVM, VYO, XBQ, ?

- a) RGT
- b) YFA
- c) LQT
- d) ZES

24. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

KPM, PVR, UBW, ZHB, ?

- a) LQV
- b) NGT
- c) ENG
- d) HIR

25. A series is given, with one term missing. Choose the correct alternative from the given numbers that will complete the series.

X, T, P, ?, H

- a) I
- b) D
- c) H
- d) L

26. In the following question, select the missing number from the given alternatives.

35, 39, 48, 64, 89, ?

- a) 169
- b) 120

c) 125

d) 134

27. In the following question, select the missing number from the given alternatives.

41, 13, 54, 67, 121, ?

- a) 143
- b) 188
- c) 194
- d) 168

28. In the following question, select the missing number from the given alternatives.

9, 23, 50, 103, 208, ?

- a) 323
- b) 411
- c) 417
- d) 431

29. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

L, P, U, ?, H, P

- a) Z
- b) Y
- c) A
- d) B

30. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

ROCK, UKFG, XGIC, ACLY, ?

- a) DZPS

Completion of Number and Alphabetical Series for Railway Exams

b) DYOU

c) EASU

d) CBOP

31. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

MAT, FTM, YMF, ?, KYR

a) SDQ

b) RFY

c) SAY

d) RIT

32. In the following question, select the missing number from the given series.

41, 64, 110, 202, 386, ?

a) 754

b) 876

c) 972

d) 927

33. In the following question, select the missing number from the given series.

22, 105, 415, 1240, 2475, ?

a) 3670

b) 2470

c) 3895

d) 2570

34. In the following question, select the missing number from the given series.

9863, 7119, 4922, 3194, 1863, ?

a) 1264

b) 965

c) 863

d) 1063

35. In the following question, select the missing number from the given series.

19, 21, 25, 27, 31, ?

a) 35

b) 32

c) 33

d) 39

36. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

AFH, CHJ, E JL, ?, INP

a) GHI

b) GLN

c) HIR

d) HLN

37. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

DSL, FUN, HWP, ?, LAT

a) KXS

b) JYR

c) JZS

d) KYR

Completion of Number and Alphabetical Series for Railway Exams

38. In the following question, select the missing number from the given series.

131, 138, 145, 152, ?, 166

- a) 161
- b) 163
- c) 157
- d) 159

39. In the following question, select the missing number from the given series.

11, 14, 19, 22, 27, ?

- a) 32
- b) 31
- c) 30
- d) 33

40. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

SH, QJ, OL, ?, KP

- a) MN
- b) LM
- c) MP
- d) NM

41. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

HVG, FTE, DRC, ?, ZNY

- a) CQB

b) AOZ

c) HRB

d) BPA

42. In the following question, select the missing number from the given series.

107, 104, 100, 95, ?, 82

- a) 87
- b) 89
- c) 85
- d) 83

43. In the following question, select the missing number from the given series.

19, 26, 40, 61, ?, 124

- a) 89
- b) 82
- c) 65
- d) 98

44. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

YZ, VW, ST, ?, MN

- a) QR
- b) PH
- c) RS
- d) PQ

Completion of Number and Alphabetical Series for Railway Exams

45. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

HVJ, FTH, DRF, BPD, ?

- a) YMA
- b) ZNB
- c) AOC
- d) BPD

46. In the following question, select the missing number from the given series.

3, 4, 6, 9, 13, ?

- a) 17
- b) 20
- c) 18
- d) 21

47. In the following question, select the missing number from the given series.

17, 23, 31, 37, 45, 51, 59, ?

- a) 65
- b) 67
- c) 63
- d) 69

48. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

AZ, BY, CZ, DW, ?

- a) EF
- b) FU
- c) EV
- d) FV

49. In the following question, select the missing number from the given alternatives.

12, 22, 42, 52, 72, 82, 102, ?

- a) 112
- b) 122
- c) 132
- d) 142

50. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

ACD, EGH, IKL, ?

- 1) MOP
- 2) NPO
- 3) MPO
- 4) NOP

Completion of Number and Alphabetical Series for Railway Exams

ANSWERS

1) Answer: C

$$0.35 + 0.14 = 0.49$$

$$0.49 + 0.14 = 0.63$$

$$0.63 + 0.14 = 0.77$$

$$0.77 + 0.14 = \mathbf{0.91}$$

$$0.91 + 0.14 = 1.05$$

2) Answer: C

$$17 + 6 = 23; 23 + 8 = 31; 31 + 6 = 37; 37 + 8 = 45; 45 + 6 = 51; 51 + 8 = 59; 59 + 6 = \mathbf{65}$$

3) Answer: D

$$A + 1 = B; B + 1 = C; C + 1 = D; D + 1 = E$$

$$Z - 1 = Y; Y - 1 = X; X - 1 = W; W - 1 = V$$

4) Answer: A

Odd series: 6, 9, ?, 21

$$6 + 3 = 9, 9 + 5 = \mathbf{14}, 14 + 7 = 21$$

Even series: 8, 12, 18

$$8 + 4 = 12, 12 + 6 = 18$$

5) Answer: C

$$\text{Number}^3 - 1$$

6) Answer: C

$$X - 4 = T; T - 4 = P; P - 4 = L; L - 4 = \mathbf{H}$$

$$W - 4 = S; S - 4 = O; O - 4 = K; K - 4 = \mathbf{G}$$

$$V - 4 = R; R - 4 = N; N - 4 = J; J - 4 = \mathbf{F}$$

7) Answer: B

$$2 + 5 = 7$$

$$7 + 7 = 14$$

$$14 + 9 = 23$$

$$23 + 11 = \mathbf{34}$$

$$34 + 13 = 47$$

8) Answer: B

$$B + 2 = \mathbf{D}; D + 2 = F; F + 2 = H$$

$$5^2 = 25, \mathbf{4^2 = 16}, 3^2 = 9, 2^2 = 4$$

9) Answer: B

$$\begin{array}{ccccccc} 12 & \xrightarrow{+12} & 24 & \xrightarrow{+12} & 36 & \xrightarrow{+12} & 48 \\ A & \xrightarrow{+2} & C & \xrightarrow{+2} & E & \xrightarrow{+2} & G \\ 6 & \xrightarrow{-2} & 4 & \xrightarrow{-2} & 2 & \xrightarrow{-2} & 0 \\ Z & \xrightarrow{-2} & X & \xrightarrow{-2} & V & \xrightarrow{-2} & T \end{array}$$

10) Answer: D

$$D + 1 = E; E + 1 = F; F + 1 = G; G + 1 = \mathbf{H}$$

$$O + 1 = P; P + 1 = Q; Q + 1 = R; R + 1 = \mathbf{S}$$

Completion of Number and Alphabetical Series for Railway Exams

11) Answer: C

$$3 \times 3 = 9; 9 \times 3 = 27; 27 \times 3 = \mathbf{81}; 81 \times 3 = 243$$

$$E + 2 = G; G + 2 = I; I + 2 = \mathbf{K}; K + 2 = M$$

12) Answer: A

$$25 \xrightarrow{+6} 31 \xrightarrow{+7} 38 \xrightarrow{+8} 46 \xrightarrow{+9} 55$$

13) Answer: B

Odd series:

$$3 \times 2 = 6; 6 \times 2 = 12; 12 \times 2 = \mathbf{24}$$

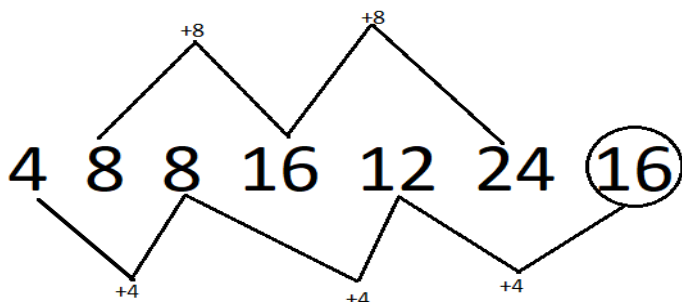
$$T - 1 = S; S - 1 = R; R - 1 = \mathbf{Q}$$

Even series:

$$3 \times 2 = 6; 6 \times 2 = 12$$

$$A + 1 = B; B + 1 = C$$

14) Answer: C



15) Answer: A

$$1^3 = 1$$

$$2^3 = 8$$

$$3^3 = 27$$

$$4^3 = 64$$

$$5^3 = 125$$

16) Answer: C

$$B + 4 = F; F + 4 = \mathbf{J}; J + 4 = N; N + 4 = R; R + 4 = V$$

$$C + 4 = G; G + 4 = \mathbf{K}; K + 4 = O; O + 4 = S; S + 4 = W$$

$$A + 4 = E; E + 4 = \mathbf{I}; I + 4 = M; M + 4 = Q; Q + 4 = U$$

17) Answer: B

Series of prime numbers + 1

$$2 + 1, 3 + 1, 5 + 1, 7 + 1, 11 + 1, 13 + 1, 17 + 1$$

18) Answer: D

$$J + 3 = M; M + 3 = P; P + 3 = S; S + 3 = V; V + 3 = Y$$

19) Answer: A

$$55 + (3 \times 1) = 58; 58 + (3 \times 2) = 64; 64 + (3 \times 3) = \mathbf{73};$$

$$73 + (3 \times 4) = 85$$

Completion of Number and Alphabetical Series for Railway Exams

20) Answer: C

$$2 + 3^1 = 5$$

$$5 + 3^2 = 14$$

$$14 + 3^3 = 41$$

$$41 + 3^4 = 122$$

$$122 + 3^5 = 365$$

21) Answer: D



22) Answer: D

$$L - 6 = F; F - 6 = Z; Z - 6 = T; T - 6 = N$$

$$M - 6 = G; G - 6 = A; A - 6 = U; U - 6 = O$$

$$K - 6 = E; E - 6 = Y; Y - 6 = S; S - 6 = M$$

23) Answer: D

$$R + 2 = T; T + 2 = V; V + 2 = X; X + 2 = Z$$

$$S + 3 = V; V + 3 = Y; Y + 3 = B; B + 3 = E$$

$$K + 2 = M; M + 2 = O; O + 2 = Q; Q + 2 = S$$

24) Answer: C

$$K + 5 = P; P + 5 = U; U + 5 = Z; Z + 5 = E$$

$$P + 6 = V; V + 6 = B; B + 6 = H; H + 6 = N$$

$$M + 5 = R; R + 5 = W; W + 5 = B; B + 5 = G$$

25) Answer: D

$$X - 4 = T; T - 4 = P; P - 4 = L; L - 4 = H$$

26) Answer: C

$$35 + 2^2 = 39$$

$$39 + 3^3 = 48$$

$$48 + 4^2 = 64$$

$$64 + 5^2 = 89$$

$$89 + 6^2 = 125$$

27) Answer: B

$$41 + 13 = 54$$

$$54 + 13 = 67$$

$$67 + 54 = 121$$

$$121 + 67 = 188$$

28) Answer: C

$$(9 \times 2) + 5 = 23$$

$$(23 \times 2) + 4 = 50$$

$$(50 \times 2) + 3 = 103$$

$$(103 \times 2) + 2 = 208$$

Completion of Number and Alphabetical Series for Railway Exams

$$(208 \times 2) + 1 = 417$$

29) Answer: C

$$L + 4 = P; P + 5 = U; U + 6 = A; A + 7 = H; H + 8 = P$$

30) Answer: B

$$R + 3 = U; U + 3 = X; X + 3 = A; A + 3 = D$$

$$O - 4 = K; K - 4 = G; G - 4 = C; C - 4 = Y$$

$$C + 3 = F; F + 3 = I; I + 3 = L; L + 3 = O$$

$$K - 4 = G; G - 4 = C; C - 4 = Y; Y - 4 = U$$

31) Answer: B

$$M - 7 = F; F - 7 = Y; Y - 7 = R; R - 7 = K$$

$$A - 7 = T; T - 7 = M; M - 7 = F; F - 7 = Y$$

$$T - 7 = M; M - 7 = F; F - 7 = Y; Y - 7 = R$$

32) Answer: A

$$41 + (23 \times 1) = 64$$

$$64 + (23 \times 2) = 110$$

$$110 + (23 \times 4) = 202$$

$$202 + (23 \times 8) = 386$$

$$386 + (23 \times 16) = 754$$

33) Answer: B

$$(22 \times 5) - 5 = 105$$

$$(105 \times 4) - 5 = 415$$

$$(415 \times 3) - 5 = 1240$$

$$(1240 \times 2) - 5 = 2475$$

$$(2475 \times 1) - 5 = 2470$$

34) Answer: C

$$9863 - 14^3 = 7119$$

$$7119 - 13^3 = 4922$$

$$4922 - 12^3 = 3194$$

$$3194 - 11^3 = 1863$$

$$1863 - 10^3 = 863$$

35) Answer: C

$$19 + 2 = 21$$

$$21 + 4 = 25$$

$$25 + 2 = 27$$

$$27 + 4 = 31$$

$$31 + 2 = 33$$

36) Answer: B

$$A + 2 = C; C + 2 = E; E + 2 = G; G + 2 = I$$

$$F + 2 = H; H + 2 = J; J + 2 = L; L + 2 = N$$

$$H + 2 = J; J + 2 = L; L + 2 = N; N + 2 = P$$

37) Answer: B

Completion of Number and Alphabetical Series for Railway Exams

$$D + 2 = F; F + 2 = H; H + 2 = J; J + 2 = L$$

$$S + 2 = U; U + 2 = W; W + 2 = Y; Y + 2 = A$$

$$L + 2 = N; N + 2 = P; P + 2 = R; R + 2 = T$$

38) Answer: D

$$131 + 7 = 138$$

$$138 + 7 = 145$$

$$145 + 7 = 152$$

$$152 + 7 = \mathbf{159}$$

$$159 + 7 = 166$$

39) Answer: C

$$11 + 3 = 14$$

$$14 + 5 = 19$$

$$19 + 3 = 22$$

$$22 + 5 = 27$$

$$27 + 3 = \mathbf{30}$$

40) Answer: A

$$S - 2 = Q; Q - 2 = O; O - 2 = M; M - 2 = K$$

$$H + 2 = J; J + 2 = L; L + 2 = N; N + 2 = P$$

41) Answer: D

$$H - 2 = F; F - 2 = D; D - 2 = \mathbf{B}; B - 2 = Z$$

$$V - 2 = T; T - 2 = R; R - 2 = \mathbf{P}; P - 2 = N$$

$$G - 2 = E; E - 2 = C; C - 2 = A; A - 2 = Y$$

42) Answer: B

$$107 - 3 = 104$$

$$104 - 4 = 100$$

$$100 - 5 = 95$$

$$95 - 6 = \mathbf{89}$$

$$89 - 7 = 82$$

43) Answer: A

$$19 + 7 = 26$$

$$26 + 14 = 40$$

$$40 + 21 = 61$$

$$61 + 28 = \mathbf{89}$$

$$89 + 35 = 124$$

44) Answer: D

$$Y - 3 = V; V - 3 = S; S - 3 = \mathbf{P}; P - 3 = M$$

$$Z - 3 = W; W - 3 = T; T - 3 = \mathbf{Q}; Q - 3 = N$$

45) Answer: B

$$H - 2 = F; F - 2 = D; D - 2 = B; B - 2 = Z$$

$$V - 2 = T; T - 2 = R; R - 2 = P; P - 2 = N$$

$$J - 2 = H; H - 2 = F; F - 2 = D; D - 2 = \mathbf{B}$$

46) Answer: C

Completion of Number and Alphabetical Series for Railway Exams

$3 + 1 = 4$

$4 + 2 = 6$

$6 + 3 = 9$

$9 + 4 = 13$

$13 + 5 = 18$

47) Answer: A

$17 + 6 = 23$

$23 + 8 = 31$

$31 + 6 = 37$

$37 + 8 = 45$

$45 + 6 = 51$

$51 + 8 = 59$

$59 + 6 = 65$

48) Answer: C

Reverse pair of letters in general alphabetic series.

A	B	C	D	E
Z	Y	X	W	V

49) Answer: A

$12 + 10 = 22$

$22 + 20 = 42$

$42 + 10 = 52$

$52 + 20 = 72$

$72 + 10 = 82$

$82 + 20 = 102$

$102 + 10 = 112$

50) Answer: A

$A + 4 = E; E + 4 = I; I + 4 = M$

$C + 4 = G; G + 4 = K; K + 4 = O$

$D + 4 = H; H + 4 = L; L + 4 = P$

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