

Missing Number Series Questions for Upcoming Competitive Exams

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Missing Number series

Directions (1 – 50): Find the missing term in the following number series.

1. 4, 8, 12, ?, 6, 0
(a) 18
(b) 12
(c) 9
(d) 15
(e) 6
2. 2, 6, 18, 54, 162, ?
(a) 376
(b) 648
(c) 576
(d) 486
(e) 424
3. 87, 94, 101, 108, ?, 122
(a) 121
(b) 115
(c) 122
(d) 123
(e) 124
4. 442, 450, ?, 469, 480, 492
(a) 459
(b) 463
(c) 453
(d) 465
(e) 457
5. 67, 66, 63, 58, 51, ?

- (a) 42
(b) 40
(c) 43
(d) 37
(e) 39
6. 2, 2, 4, 12, 48, ?
(a) 264
(b) 144
(c) 288
(d) 192
(e) 240
7. -2, -4, -6, -12, ?, -36
(a) -18
(b) 18
(c) -9
(d) 9
(e) -24
8. -10, -4, 2, ?, 14, 20
(a) 4
(b) 10
(c) 6
(d) 8
(e) 12
9. 0, 2, 6, 12, 20, ?
(a) 40
(b) 30
(c) 35
(d) 28

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(e) 45

10. 140, 155, 185, 230, ?, 365

- (a) 315
- (b) 295
- (c) 290
- (d) 275
- (e) 280

11. 8, 4, 6, 15, 52.5, ?

- (a) 236.25
- (b) 230.25
- (c) 242.75
- (d) 238.75
- (e) 232.5

12. 400, 324, 256, 196, 144, ?

- (a) 90
- (b) 64
- (c) 121
- (d) 81
- (e) 100

13. 11, 22, 34, ?, 61, 76

- (a) 49
- (b) 43
- (c) 51
- (d) 47
- (e) 37

14. 80, 76, 68, 56, ?, 20

- (a) 28
- (b) 40
- (c) 36
- (d) 42
- (e) 38

15. 210, 182, 156, ?, 110, 90

- (a) 132

(b) 124

(c) 144

(d) 126

(e) 150

16. 3, 4, ?, 33, 136, 685

- (a) 15
- (b) 9
- (c) 16
- (d) 12
- (e) 10

17. 6, 10, 26, 62, 126, ?

- (a) 190
- (b) 247
- (c) 207
- (d) 226
- (e) 270

18. 8, 27, 125, ?, 1331, 2197

- (a) 216
- (b) 243
- (c) 343
- (d) 512
- (e) 729

19. 5, 4, 6, 15, 56, ?

- (a) 280
- (b) 285
- (c) 275
- (d) 270
- (e) 295

20. 37, 40, 46, 58, ?, 130

- (a) 82
- (b) 94
- (c) 70
- (d) 76
- (e) 88

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21. 3, 15, 35, 63, 99, ?

- (a) 156
- (b) 143
- (c) 132
- (d) 182
- (e) 110

22. 3600, 600, 3000, 750, ?, 1125

- (a) 1750
- (b) 1000
- (c) 1500
- (d) 2250
- (e) 3375

23. 2000, 1600, 1116, 540, -136, ?

- (a) 938
- (b) 1324
- (c) 764
- (d) 648
- (e) - 920

24. 7, 42, 210, ?, 2520, 5040

- (a) 945
- (b) 720
- (c) 1050
- (d) 630
- (e) 840

25. 4, 9, 19, 34, 54, ?

- (a) 90
- (b) 79
- (c) 70
- (d) 75
- (e) 87

26. 1000, 1000, 500, 1500, 375, ?

- (a) 1875

(b) 75

(c) 2250

(d) 2062.5

(e) 62.5

27. 4, 4, 9, 29, ?, 599

- (a) 90
- (b) 119
- (c) 145
- (d) 116
- (e) 120

28. 48, 100, ?, 294, 448, 648

- (a) 180
- (b) 216
- (c) 166
- (d) 280
- (e) 144

29. 36, 44, 52, 60, ?, 76

- (a) 66
- (b) 72
- (c) 70
- (d) 68
- (e) 78

30. 65, 83, 103, ?, 149, 175

- (a) 121
- (b) 129
- (c) 125
- (d) 117
- (e) 133

31. 95, 82, 71, ?, 59, 56

- (a) 63
- (b) 62
- (c) 64
- (d) 61

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(e) 60

32. 5, 10, 30, 150, ?, 11550

(a) 1500

(b) 1350

(c) 1200

(d) 900

(e) 1050

33. 10, 22, 56, 180, 732, ?

(a) 3672

(b) 3660

(c) 3648

(d) 3762

(e) 3726

34. 140, 180, 226, ?, 336, 400

(a) 272

(b) 278

(c) 290

(d) 284

(e) 266

35. 1, 1.69, 2.56, 3.61, 4.84, ?

(a) 625

(b) 62.5

(c) 6.25

(d) 0.625

(e) 1.5625

36. 25, 38, 56, 79, 107, ?

(a) 180

(b) 160

(c) 120

(d) 140

(e) 116

37. 888, 777, 666, 555, ?, 333

(a) 454

(b) 222

(c) 445

(d) 444

(e) 435

38. 6, 11, 18, ?, 38, 51

(a) 29

(b) 25

(c) 27

(d) 23

(e) 26

39. 29, 23, 19, ?, 13, 11

(a) 17

(b) 15

(c) 18

(d) 16

(e) 14

40. 66, 67, 75, ?, 166, 291

(a) 108

(b) 83

(c) 84

(d) 156

(e) 102

41. 2, 6, 12, 20, 30, ?

(a) 36

(b) 42

(c) 216

(d) 48

(e) 45

42. 45, 15, 30, 10, 20, ?

(a) 80

(b) 10

(c) 60

(d) 6.67

(e) 5

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43. 9, 5, 6, ?, 23, 60

- (a) 12
- (b) 10.5
- (c) 9
- (d) 7.5
- (e) 13.5

44. 88, ?, 100, 127, 208, 451

- (a) 89
- (b) 92
- (c) 91
- (d) 90
- (e) 93

45. 856, 600, ?, 408, 376, 360

- (a) 448
- (b) 580
- (c) 572
- (d) 480
- (e) 472

46. 121.5, 81, 54, 36, 24, ?

- (a) 36
- (b) 16
- (c) 48
- (d) 72
- (e) 12

47. 26, 170, 242, ?, 296, 305

- (a) 278
- (b) 290
- (c) 274
- (d) 266
- (e) 260

48. 56, 32, 36, 58, ?, 304

- (a) 116
- (b) 120
- (c) 112
- (d) 124
- (e) 128

49. 11, 13, 19, ?, 51, 81

- (a) 39
- (b) 25
- (c) 31
- (d) 26
- (e) 34

50. 6, 15, ?, 77, 143, 221

- (a) 48
- (b) 42
- (c) 30
- (d) 35
- (e) 20

Solutions and Explanation

1. Option (b)

Sol. $4 \times 2 = 8$

$8 \times 1.5 = 12$

$12 \times 1 = 12$

$12 \times 0.5 = 6$

$6 \times 0 = 0$

Missing number = 12

2. Option (d)

Sol. $2 \times 3 = 6$

$6 \times 3 = 18$

$18 \times 3 = 54$

$54 \times 3 = 162$

$162 \times 3 = 486$

Missing number = 486

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3. Option (b)

Sol. $87 + 7 = 94$

$94 + 7 = 101$

$101 + 7 = 108$

$108 + 7 = 115$

$115 + 7 = 122$

Missing number = 122

4. Option (a)

Sol. $442 + 8 = 450$

$450 + 9 = 459$

$459 + 10 = 469$

$469 + 11 = 480$

$480 + 12 = 492$

Missing number = 459

5. Option (e)

Sol. $67 - 1 = 66$

$66 - 3 = 63$

$63 - 5 = 58$

$58 - 7 = 51$

$51 - 9 = 42$

Missing number = 42

6. Option (e)

Sol. $2 \times 1 = 2$

$2 \times 2 = 4$

$4 \times 3 = 12$

$12 \times 4 = 48$

$48 \times 5 = 240$

Missing number = 240

7. Option (a)

Sol. $-2 \times 2 = -4$

$-4 \times 1.5 = -6$

$-6 \times 2 = -12$

$-12 \times 1.5 = -18$

$-18 \times 2 = -36$

Missing number = -18

8. Option (d)

Sol. $-10 + 6 = -4$

$-4 + 6 = 2$

$2 + 6 = 8$

$8 + 6 = 14$

$14 + 6 = 20$

Missing number = 8

9. Option (b)

Sol. $0 \times 1 = 0$

$1 \times 2 = 2$

$2 \times 3 = 6$

$3 \times 4 = 12$

$4 \times 5 = 20$

$5 \times 6 = 30$

Missing number = 30

10. Option (c)

Sol. $140 + 15 = 155$

$155 + 30 = 185$

$185 + 45 = 230$

$230 + 60 = 290$

$290 + 75 = 365$

Missing number = 290

11. Option (a)

Sol. $8 \times 0.5 = 4$

$4 \times 1.5 = 6$

$6 \times 2.5 = 15$

$15 \times 3.5 = 52.5$

$52.5 \times 4.5 = 236.25$

Missing number = 236.25

12. Option (e)

Sol. $20^2 = 400$

$18^2 = 324$

$16^2 = 256$

$14^2 = 196$

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$$12^2 = 144$$

$$10^2 = 100$$

Missing number = 100

13. Option (d)

Sol. $11 + 11 = 22$

$$22 + 12 = 34$$

$$34 + 13 = 47$$

$$47 + 14 = 61$$

$$61 + 15 = 76$$

Missing number = 47

14. Option (b)

Sol. $80 - 4 = 76$

$$76 - 8 = 68$$

$$68 - 12 = 56$$

$$56 - 16 = 40$$

$$40 - 20 = 20$$

Missing number = 40

15. Option (a)

Sol. $15 \times 14 = 210$

$$14 \times 13 = 182$$

$$13 \times 12 = 156$$

$$12 \times 11 = 132$$

$$11 \times 10 = 110$$

$$10 \times 9 = 90$$

Missing number = 132

16. Option (e)

Sol. $3 \times 1 + 1 = 4$

$$4 \times 2 + 2 = 10$$

$$10 \times 3 + 3 = 33$$

$$33 \times 4 + 4 = 136$$

$$136 \times 5 + 5 = 685$$

Missing number = 10

17. Option (d)

Sol. $6 + 2^2 = 10$

$$10 + 4^2 = 26$$

$$26 + 6^2 = 62$$

$$62 + 8^2 = 126$$

$$126 + 10^2 = 226$$

Missing number = 226

18. Option (c)

Sol. cube of prime numbers

Missing number = $7^3 = 343$

19. Option (c)

Sol. $5 \times 1 - 1 = 4$

$$4 \times 2 - 2 = 6$$

$$6 \times 3 - 3 = 15$$

$$15 \times 4 - 4 = 56$$

$$56 \times 5 - 5 = 275$$

Missing number = 275

20. Option (a)

Sol. $37 + 3 = 40$

$$40 + 6 = 46$$

$$46 + 12 = 58$$

$$58 + 24 = 82$$

$$82 + 48 = 130$$

Missing number = 82

21. Option (b)

Sol. $1 \times 3 = 3$

$$3 \times 5 = 15$$

$$5 \times 7 = 35$$

$$7 \times 9 = 63$$

$$9 \times 11 = 99$$

$$11 \times 13 = 143$$

Missing number = 143

22. Option (d)

Sol. $3600 \div 6 = 600$

$$600 \times 5 = 3000$$

$$3000 \div 4 = 750$$

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$$750 \times 3 = 2250$$

$$2250 \div 2 = 1125$$

$$\text{Missing number} = 2250$$

23. Option (e)

$$\text{Sol. } 2000 - 20^2 = 1600$$

$$1600 - 22^2 = 1116$$

$$1116 - 24^2 = 540$$

$$540 - 26^2 = -136$$

$$-136 - 28^2 = -920$$

$$\text{Missing number} = -920$$

24. Option (e)

$$\text{Sol. } 7 \times 6 = 42$$

$$42 \times 5 = 210$$

$$210 \times 4 = 840$$

$$840 \times 3 = 2520$$

$$2520 \times 2 = 5040$$

$$\text{Missing number} = 840$$

25. Option (b)

$$\text{Sol. } 4 + 5 = 9$$

$$9 + 10 = 19$$

$$19 + 15 = 34$$

$$34 + 20 = 54$$

$$54 + 25 = 79$$

$$\text{Missing number} = 79$$

26. Option (a)

$$\text{Sol. } 1000 \times 1 = 1000$$

$$1000 \div 2 = 500$$

$$500 \times 3 = 1500$$

$$1500 \div 4 = 375$$

$$375 \times 5 = 1875$$

$$\text{Missing number} = 1875$$

27. Option (b)

$$\text{Sol. } 4 \times 1 + 0 = 4$$

$$4 \times 2 + 1 = 9$$

$$9 \times 3 + 2 = 29$$

$$29 \times 4 + 3 = 119$$

$$119 \times 5 + 4 = 599$$

$$\text{Missing number} = 119$$

28. Option (a)

$$\text{Sol. } 4^3 - 4^2 = 48$$

$$5^3 - 5^2 = 100$$

$$6^3 - 6^2 = 180$$

$$7^3 - 7^2 = 294$$

$$8^3 - 8^2 = 448$$

$$9^3 - 9^2 = 648$$

$$\text{Missing number} = 180$$

29. Option (d)

$$\text{Sol. } 36 + 8 = 44$$

$$44 + 8 = 52$$

$$52 + 8 = 60$$

$$60 + 8 = 68$$

$$68 + 8 = 76$$

$$\text{Missing number} = 68$$

30. Option (c)

$$\text{Sol. } 8^2 + 1 = 65$$

$$9^2 + 2 = 83$$

$$10^2 + 3 = 103$$

$$11^2 + 4 = 125$$

$$12^2 + 5 = 149$$

$$13^2 + 6 = 175$$

$$\text{Missing number} = 125$$

31. Option (c)

$$\text{Sol. } 95 - 13 = 82$$

$$82 - 11 = 71$$

$$71 - 7 = 64$$

$$64 - 5 = 59$$

$$59 - 3 = 56$$

$$\text{Missing number} = 64$$

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32. Option (e)

Sol. $5 \times 2 = 10$

$10 \times 3 = 30$

$30 \times 5 = 150$

$150 \times 7 = 1050$

$1050 \times 11 = 11550$

Missing number = 1050

33. Option (a)

Sol. $10 \times 1 + 12 = 22$

$22 \times 2 + 12 = 56$

$56 \times 3 + 12 = 180$

$180 \times 4 + 12 = 732$

$732 \times 5 + 12 = 3672$

Missing number = 3672

34. Option (b)

Sol. $140 + 40 = 180$

$180 + 46 = 226$

$226 + 52 = 278$

$278 + 58 = 336$

$336 + 64 = 400$

Missing number = 278

35. Option (c)

Sol. $1^2 = 1$

$1.3^2 = 1.69$

$1.6^2 = 2.56$

$1.9^2 = 3.61$

$2.2^2 = 4.84$

$2.5^2 = 6.25$

Missing number = 6.25

36. Option (d)

Sol. $25 + 13 = 38$

$38 + (13 + 5) = 56$

$56 + (13 + 10) = 79$

$79 + (13 + 15) = 107$

$107 + (13 + 20) = 140$

Missing number = 140

37. Option (d)

Sol. $888 - 111 = 777$

$777 - 111 = 666$

$666 - 111 = 555$

$555 - 111 = 444$

$444 - 111 = 333$

Missing number = 444

38. Option (c)

Sol. $2^2 + 2 = 6$

$3^2 + 2 = 11$

$4^2 + 2 = 18$

$5^2 + 2 = 27$

$6^2 + 2 = 38$

$7^2 + 2 = 51$

Missing number = 27

39. Option (a)

Sol. all numbers are prime

Missing number = 17

40. Option (e)

Sol. $66 + 1^3 = 67$

$67 + 2^3 = 75$

$75 + 3^3 = 102$

$102 + 4^3 = 166$

$166 + 5^3 = 291$

Missing number = 102

41. Option (b)

Sol. $1^2 + 1 = 2$

$2^2 + 2 = 6$

$3^2 + 3 = 12$

$4^2 + 4 = 20$

$5^2 + 5 = 30$

$6^2 + 6 = 42$

Missing number = 42

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42. Option (d)

Sol. $45 \div 3 = 15$

$15 \times 2 = 30$

$30 \div 3 = 10$

$10 \times 2 = 20$

$20 \div 3 = 6.67$

Missing number = 6.67

43. Option (b)

Sol. $9 \times 0.5 + 0.5 = 5$

$5 \times 1 + 1 = 6$

$6 \times 1.5 + 1.5 = 10.5$

$10.5 \times 2 + 2 = 23$

$23 \times 2.5 + 2.5 = 60$

Missing number = 10.5

44. Option (c)

Sol. $88 + 3 = 91$

$91 + 9 = 100$

$100 + 27 = 127$

$127 + 81 = 208$

$208 + 243 = 451$

Missing number = 91

45. Option (e)

Sol. $856 - 256 = 600$

$600 - 128 = 472$

$472 - 64 = 408$

$408 - 32 = 376$

$376 - 16 = 360$

Missing number = 472

46. Option (b)

Sol. $121.5 \times (2 \div 3) = 81$

$81 \times (2 \div 3) = 54$

$54 \times (2 \div 3) = 36$

$36 \times (2 \div 3) = 24$

$24 \times (2 \div 3) = 16$

Missing number = 16

47. Option (a)

Sol. $26 + 144 = 170$

$170 + 72 = 242$

$242 + 36 = 278$

$278 + 18 = 296$

$296 + 9 = 305$

Missing number = 278

48. Option (b)

Sol. $56 \times 0.5 + 4 = 32$

$32 \times 1 + 4 = 36$

$36 \times 1.5 + 4 = 58$

$58 \times 2 + 4 = 120$

$120 \times 2.5 + 4 = 304$

Missing number = 120

49. Option (c)

Sol. $11 + (1 \times 2) = 13$

$13 + (2 \times 3) = 19$

$19 + (3 \times 4) = 31$

$31 + (4 \times 5) = 51$

$51 + (5 \times 6) = 81$

Missing number = 31

50. Option (d)

Sol. product of consecutive prime numbers

$2 \times 3 = 6$

$3 \times 5 = 15$

$5 \times 7 = 35$

$7 \times 11 = 77$

$11 \times 13 = 143$

$13 \times 17 = 221$

Missing number = 35

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