

Missing Numbers Series IBPS RRB PO Prelims Exam

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Missing Number series

Directions (1-5): What will come in the place of question mark?

1) 123, 139, 175, 239, 339,?

a) 482

b) 473

c) 483

d) 493

e) 503

2) 324, 341, 392, 477, 596,?

a) 729

b) 744

c) 739

d) 749

e) None of the above

3) 214, 207, 193, 172, 144,?

a) 99

b) 109

c) 89

d) 119

e) 129

4) 64, 16, 20, 45, 146.25,?

a) 621.5625

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b) 621.3125

c) 621.0125

d) 623.125

e) None of the above

5) 91, 174, 321, 593, ? , 1912

a) 1083

b) 1071

c) 1081

d) 1091

e) 1061

6) 178, 182, 174, 186, 170, ?

a) 192

b) 160

c) 174

d) 190

e) 194

7) 4000 2000 500 250 ?

a) 62.25

b) 61.75

c) 31.25

d) 125

e) 62.5

8) 217 ? 247 277 317 367

A) 227

B) 237

C) 222

D) 232

E) 247

9) 16 8 8 ? 64

a) 12

b) 16

c) 24

d) 32

e) 40

10) 344 ? 126 63 28 7

a) 215

b) 217

c) 218

d) 219

e) 220

11) 34 43 61 88 124 ?

a) 196

b) 144

c) 169

d) 225

e) 179

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12. 472, 489, 508, ?, 560, 591

- a) 532
- b) 531
- c) 533
- d) 534
- e) 535

13. 1156, 1444, 1849, 2401, ? , 4096

- a) 3136
- b) 3025
- c) 3249
- d) 2916
- e) None of these

14. 1672, ?, 1765, 1423, 1936, 1208

- a) 1558
- b) 1448
- c) 1458
- d) 1548
- e) 1468

15. 42, 122, ?, 2416, 14492, 101440

- a) 524
- b) 448
- c) 484
- d) 464
- e) 564

16) 13, 26, 78, 312, ?, 9360

- a) 1020
- b) 1980
- c) 1560
- d) 1990
- e) 1120

17) 11, 26, 47, 74, 107, ?

- a) 146
- b) 128
- c) 132
- d) 158
- e) 169

18) 17, 81, 131, 169, 197, ?

- a) 206
- b) 229
- c) 217
- d) 201
- e) 218

19) 18, 22, 34, 70, 178, ?

- a) 418
- b) 502
- c) 398
- d) 385
- e) 391

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20) 16, 40, 140, 630, ?, 22522.5

- a) 3485
- b) 3380
- c) 3930
- d) 3465
- e) 3845

21. 12, 7, 9, 21, 88, 709, ?

- a) 11350
- b) 12360
- c) 11250
- d) 11360
- e) 15320

22. 15, 18, 16, 19, 17, 20, ?

- a) 23
- b) 22
- c) 18
- d) 20
- e) 17

23. 5, 6, 10, 33, 128, ?, 3864

- a) 650
- b) 346
- c) 745
- d) 542

e) 645

24. 5, 12, 9, 9, 13, ?, 17

- a) 13
- b) 6
- c) 17
- d) 9
- e) 5

25. 142, 134, 123, 107, 84, ?

- a) 55
- b) 32
- c) 56
- d) 52
- e) 64

26) 1681, 1369, 961, 841, 529, ?

- a) 289
- b) 361
- c) 576
- d) 400
- e) 169

27) 36, 69, 203, 807, 4029, ?

- a) 26147
- b) 21467
- c) 24167

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d) 21147

e) 24617

28) ?, 122, 125, 141, 266, 1562

a) 121

b) 120

c) 119

d) 122

e) 117

29) 266, 284, 423, ?, 1328, 2286

a) 713

b) 623

c) 667

d) 731

e) 633

30) 12, 48, 130, 268, 408, ?

a) 412

b) 416

c) 420

d) 424

e) 428

31) 8, 72, 193, ?, 678, 1078

a) 398

b) 372

c) 343

d) 364

e) 389

32) 11, 14, 22, 37, 61, ?

a) 90

b) 98

c) 96

d) 102

e) 92

33) 23, 40, 94, 189, 329, ?

a) 518

b) 498

c) 483

d) 576

e) 550

34) 19, 30, 54, 93, 149, ?

a) 274

b) 224

c) 298

d) 219

e) 239

35) 11, 46, 187, ?, 3013, 12058

a) 729

b) 731

c) 752

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d) 745

e) 746

36) -20, -84, -415, ?, - 17465, -139728

a) -2496

b) 2496

c) -2596

d) 2596

e) -2498

37) 4, 60, 325, 1316, ?, 7918, 7919

a) 3958

b) 3957

c) 3940

d) 3945

e) 3959

38) 2, 9, ?, 105, 436, 2195

a) 28

b) 29

c) 30

d) 31

e) 35

39) 8544, 1420, 280, ?, 18, 5

a) 22

b) 33

c) 55

d) 77

e) 66

40) 7, 38.5, 192.5, 866.25, 3465, ?

a) 12117.5

b) 12111.5

c) 12129.5

d) 12127.5

e) 12128.5

41) 7 19 34 52 73 (?)

a) 87

b) 97

c) 107

d) 100

e) None of these

42) 29 41 55 71 89 (?)

a) 129

b) 119

c) 109

d) 112

e) 117

43) 60 120 30 180 22.5 (?)

a) 105

b) 205

c) 215

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d) 225

e) None of these

44) 10 11 13 19 (?) 163

a) 43

b) 53

c) 63

d) 73

e) None of these

45) 11 12 (?) 81 328 1645

a) 36

b) 46

c) 20

d) 32

e) None of these

46) 3, 10, 32, 111, 460, ?

a) 2215

b) 2320

c) 2310

d) 2314

e) 2315

47) 40, 48, 60, 78, ? , 147.42

a) 105.5

b) 106.5

c) 105.3

d) 106.3

e) 112.3

48) 16, 19, 24, 33, 50, ?

a) 83

b) 99

c) 66

d) 77

e) 102

49) 58, 128, 260, 442, 714, ?

a) 1129

b) 1135

c) 1056

d) 1133

e) 1115

50) 999, 1647, 2457, 3429, 4563, ?

a) 5868

b) 5879

c) 5869

d) 5881

e) 5859

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Solutions and Explanations:

1) Answer: C

123	139	175	239	339	483
16	36	64	100	144	
4^2	6^2	8^2	10^2	12^2	

2) Answer: D

324	341	392	477	596	749
17	51	85	119	153	
$1*17$	$3*17$	$5*17$	$7*17$	$9*17$	

3) Answer: B

214	207	193	172	144	109
-7	-14	-21	-28	-35	

4) Answer: A

$$64*0.25 = 16$$

$$16*1.25 = 20$$

$$20*2.25 = 45$$

$$45*3.25 = 146.25$$

$$146.25*4.25 = 621.5625$$

5) Answer: C

91	174	321	593	1081	1912
83	147	272	488	831	
64	125	216	343		

6) Answer: D

178	182	174	186	170	190
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+4

-8

+12

-16

+20

7) Answer: E

$$4000/2 = 2000$$

$$2000/4 = 500$$

$$500/2 = 250$$

$$250/4 = \mathbf{62.5}$$

8) Answer: A

$$217 + 10 = \mathbf{227}$$

$$227 + 20 = 247$$

$$247 + 30 = 277$$

$$277 + 40 = 317$$

$$317 + 50 = 367$$

9) Answer: B

$$16 \times 0.5 = 8$$

$$8 \times 1 = 8$$

$$8 \times 2 = \mathbf{16}$$

$$16 \times 4 = 64$$

10) Answer: A

$$344 = 7^3 + 1$$

$$\mathbf{215} = 6^3 - 1$$

$$126 = 5^3 + 1$$

$$63 = 4^3 - 1$$

$$28 = 3^3 + 1$$

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$$7 = 2^3 - 1$$

11) Answer: C

$$34 + 9 = 43$$

$$43 + 18 = 61$$

$$61 + 27 = 88$$

$$88 + 36 = 124$$

$$124 + 45 = 169$$

12. Answer: B

Given series is,

472	489	508	531	560	591
17	19	23	29	31	

Difference is prime number series,

13. Answer: A

1156	1444	1849	2401	3136	4096
34^2	38^2	43^2	49^2	56^2	64^2
4	5	6	7	8	

14. Answer: D

1672	1548	1765	1423	1936	1208
-124	+217	-342	+513	-728	
5^3-1	6^3+1	7^3-1	8^3+1	9^3-1	

15. Answer: C

42	122	484	2416	14492	101440
*3-4	*4-4	*5-4	*6-4	*7-4	

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16) Answer: C

$$13 * 2 = 26$$

$$26 * 3 = 78$$

$$78 * 4 = 312$$

$$312 * 5 = \mathbf{1560}$$

$$1560 * 6 = 9360$$

17) Answer: A

$$11 \quad 26 \quad 47 \quad 74 \quad 107 \quad \mathbf{146}$$

$$15 \quad 21 \quad 27 \quad 33 \quad 39$$

18) Answer: C

$$17 + 8^2 + 0 = 81$$

$$81 + 7^2 + 1 = 131$$

$$131 + 6^2 + 2 = 169$$

$$169 + 5^2 + 3 = 197$$

$$197 + 4^2 + 4 = \mathbf{217}$$

$$\mathbf{17 \quad 81 \quad 131 \quad 169 \quad 197 \quad 217}$$

$$\mathbf{64 \quad 50 \quad 38 \quad 28 \quad 20}$$

$$\mathbf{-14 \quad -12 \quad -10 \quad -8}$$

19) Answer: B

$$18 + 4 = 22$$

$$22 + 12 = 34$$

$$34 + 36 = 70$$

$$70 + 108 = 178$$

$$178 + 324 = \mathbf{502}$$

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20) Answer: D

$$16 * 2.5 = 40$$

$$40 * 3.5 = 140$$

$$140 * 4.5 = 630$$

$$630 * 5.5 = \mathbf{3465}$$

$$3465 * 6.5 = 22522.5$$

21. Answer: A

$$12 * 0.5 + 1 = 7$$

$$7 * 1 + 2 = 9$$

$$9 * 2 + 3 = 21$$

$$21 * 4 + 4 = 88$$

$$88 * 8 + 5 = 709$$

$$709 * 16 + 6 = \mathbf{11350}$$

22. Answer: C

$$15 + 3 = 18$$

$$18 - 2 = 16$$

$$16 + 3 = 19$$

$$19 - 2 = 17$$

$$17 + 3 = 20$$

$$20 - 2 = \mathbf{18}$$

23. Answer: E

$$5 * 1 + 1 = 6$$

$$6 * 2 - 2 = 10$$

$$10 * 3 + 3 = 33$$

$$33 * 4 - 4 = 128$$

$$128 * 5 + 5 = \mathbf{645}$$

$$645 * 6 - 6 = 3864$$

24. Answer: B

First:

$$5 + 4 = 9$$

$$9 + 4 = 13$$

$$13 + 4 = 17$$

Second:

$$12 - 3 = 9$$

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$$9 - 3 = 6$$

25. Answer: D

142	134	123	107	84	52
- 8	-11	-16	-23	- 32	
	3	5	7	9	

26) Answer: B

Given series is

1681	1369	961	841	529	361
41^2	37^2	31^2	29^2	23^2	19^2

Prime number squares

27) Answer: C

$$36 \times 2 - 3 = 69$$

$$69 \times 3 - 4 = 203$$

$$203 \times 4 - 5 = 807$$

$$807 \times 5 - 6 = 4029$$

$$4029 \times 6 - 7 = 24167$$

28) Answer: A

Given series is

121	122	125	141	266	1562
1	3	16	125	1296	
2^0	3^1	4^2	5^3	6^4	

Therefore, $122 - (2^0) = 121$

29) Answer: D

Given series is

266	284	423	731	1328	2286
18	139	308	597	958	

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11^2

13^2

17^2

19^2

Therefore $423 + 308 = 731$

30) Answer: A

$12 * 3 + 12 = 48$

$48 * 2.5 + 10 = 130$

$130 * 2 + 8 = 268$

$268 * 1.5 + 6 = 408$

$408 * 1 + 4 = 412$

31) Answer: E

$8 + 8^2 = 72$

$72 + 11^2 = 193$

$193 + 14^2 = 389$

$389 + 17^2 = 678$

$678 + 20^2 = 1078$

32) Answer: C

$11 + (3 * 1) = 14$

$14 + (4 * 2) = 22$

$22 + (5 * 3) = 37$

$37 + (6 * 4) = 61$

$61 + (7 * 5) = 96$

$11 \quad 14 \quad 22 \quad 37 \quad 61 \quad ? (96)$

$+3 \quad +8 \quad +15 \quad +24 \quad +35$

$+5 \quad +7 \quad +9 \quad +11$

33) Answer: A

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$$23 + (1 * 17) = 40$$

$$40 + (3 * 18) = 94$$

$$94 + (5 * 19) = 189$$

$$189 + (7 * 20) = 329$$

$$329 + (9 * 21) = 518$$

34) Answer: B

$$19 + (11 * 1) = 30$$

$$30 + (12 * 2) = 54$$

$$54 + (13 * 3) = 93$$

$$93 + (14 * 4) = 149$$

$$149 + (15 * 5) = 224$$

$$19 \quad 30 \quad 54 \quad 93 \quad 149 \quad ? (224)$$

$$+11 \quad +24 \quad +39 \quad +56 \quad +75$$

$$+13 \quad +15 \quad +17 \quad +19$$

35) Answer: C

$$11 * 4 + 2 = 46$$

$$46 * 4 + 3 = 187$$

$$187 * 4 + 4 = 752$$

$$752 * 4 + 5 = 3013$$

$$3013 * 4 + 6 = 12058$$

36) Answer: A

$$-20 \times 4 - 4 = -84$$

$$-84 \times 5 + 5 = -415$$

$$-415 \times 6 - 6 = -2496$$

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$$-2496 \times 7 + 7 = -17465$$

$$-17465 \times 8 - 8 = -139728$$

37) Answer: B

$$4 \times 6 + 6^2 = 60$$

$$60 \times 5 + 5^2 = 325$$

$$325 \times 4 + 4^2 = 1316$$

$$1316 \times 3 + 3^2 = 3957$$

$$3957 \times 2 + 2^2 = 7918$$

$$7918 \times 1 + 1^2 = 7919$$

38) Answer: C

$$2 \times 1 + 7 \times 1 = 9$$

$$9 \times 2 + 6 \times 2 = 30$$

$$30 \times 3 + 5 \times 3 = 105$$

$$105 \times 4 + 4 \times 4 = 436$$

$$436 \times 5 + 3 \times 5 = 2195$$

39) Answer: E

$$1420 \times 6 + 24 = 8544$$

$$280 \times 5 + 20 = 1420$$

$$66 \times 4 + 16 = 280$$

$$18 \times 3 + 12 = 66$$

$$5 \times 2 + 8 = 18$$

40) Answer: D

$$7 \times 5.5 = 38.5$$

$$38.5 \times 5 = 192.5$$

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$$192.5 \times 4.5 = 866.25$$

$$866.25 \times 4 = 3465$$

$$3465 \times 3.5 = 12127.5$$

41) Answer: B

$$7 + 12 = 19$$

$$19 + 15 = 34$$

$$34 + 18 = 52$$

$$52 + 21 = 73$$

$$73 + 24 = 97$$

42) Answer: C

$$5^2 + 4 = 29$$

$$6^2 + 5 = 41$$

$$7^2 + 6 = 55$$

$$8^2 + 7 = 71$$

$$9^2 + 8 = 89$$

$$10^2 + 9 = 109$$

$$29 \quad 41 \quad 55 \quad 71 \quad 89 \quad (?)109$$

$$+12 \quad +14 \quad +16 \quad +18 \quad +20$$

43) Answer: D

$$60 \times 2 = 120$$

$$120 \div 4 = 30$$

$$30 \times 6 = 180$$

$$180 \div 8 = 22.5$$

$$22.5 \times 10 = 225$$

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44) Answer: A

$$10 + 1! = 11$$

$$11 + 2! = 13$$

$$13 + 3! = 19$$

$$19 + 4! = 43$$

$$43 + 5! = 163$$

45) Answer: E

$$11 \times 1 + 1 = 12$$

$$12 \times 2 + 2 = 26$$

$$26 \times 3 + 3 = 81$$

$$81 \times 4 + 4 = 328$$

$$328 \times 5 + 5 = 1645$$

46) Answer: E

$$3 \times 1 + (1 \times 7) = 10$$

$$10 \times 2 + (2 \times 6) = 32$$

$$32 \times 3 + (3 \times 5) = 111$$

$$111 \times 4 + (4 \times 4) = 460$$

$$460 \times 5 + (5 \times 3) = 2315$$

47) Answer: C

$$40 \times 1.2 = 48$$

$$48 \times 1.25 = 60$$

$$60 \times 1.3 = 78$$

$$78 \times 1.35 = 105.3$$

$$105.3 \times 1.4 = 147.42$$

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48) Answer: A

$$16 + (2^1 + 1) = 19$$

$$19 + (2^2 + 1) = 24$$

$$24 + (2^3 + 1) = 33$$

$$33 + (2^4 + 1) = 50$$

$$50 + (2^5 + 1) = 83$$

$$16 \quad 19 \quad 24 \quad 33 \quad 50 \quad ?(83)$$

$$+3 \quad +5 \quad +9 \quad +17 \quad +33$$

$$+2 \quad +4 \quad +8 \quad +16$$

49) Answer: C

$$58 + 7 \times 10 = 128$$

$$128 + 11 \times 12 = 260$$

$$260 + 13 \times 14 = 442$$

$$442 + 17 \times 16 = 714$$

$$714 + 19 \times 18 = 1056$$

50) Answer: E

$$12^3 - 9^3 = 999$$

$$15^3 - 12^3 = 1647$$

$$18^3 - 15^3 = 2457$$

$$21^3 - 18^3 = 3429$$

$$24^3 - 21^3 = 4563$$

$$27^3 - 24^3 = 5859$$

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