

(2013- Batch) Selected

Call - 9009335533

	निर्देश: (1-45) निम्नित	नेखित प्रश्नों में प्रश्नवाचक		(a) 324	(b) 442
	चिन्ह (?) के स्थान पर	क्या आयेगा?		(c) 526	(d) 636
	of question mark	hat will come in place (?) in the following	13.	2, 2, 3, 6, 15, 45, 157 (a) 250	(b) 320
	questions?			(c) 450	(d) 630
1.	1, 5, 14, 30, 55, 91,?		14.	2160, ?, 72, 18, 6, 3	
	(a) 128	(b) 140		(a) 280	(b) 170
	(c) 135	(d) 138		(c) 360	(d) 340
2.	5, 12, 26, 47, 75, ?		15.	6, 3, 3, 4.5, 9, ?	
	(a) 100	(b) 115		(a) 22.5	(b) 22
	(c) 105	(d) 110		(c) 23	(d) 23.5
3.	36, 45, 63, 90, 126, ?		16.	1440, ?, 48, 12, 4, 2	
	(a) 171	(b) 165		(a) 240	(b) 260
	(c) 174	(d) 161		(c) 220	(d) 390
4.	21, 30, 55, 104, 225,	?	17.	339, ?, 345, 353, 369	
	(a) 388	(b) 372		(a) 353	(b) 340
	(c) 380	(d) 394		(c) 290	(d) 341
5.	6, 18, 42, 90, 186, ?		18.	24, 48, 144, 576, 288	i0. ?
	(a) 390	(b) 384		(a) 1 <b>72</b> 80	(b) 16640
	(c) 360	(d) 378		(c) 14400	(d) 20160
6.	12, 13, 22, 47, 96, ?		19.	5, 5, 15, 75, 525, 472	25. ?.
	(a) 177	(b) 217		(a) 51795	(b) 51975
	(c) 196	(d) 160		(c) 51025	(d) 51075
7.	6, 3, 3, 4.5, 9, ?		20.	196, 200, 209, 234, 2	83. 404. 573. ?
	(a) 23.5	(b) 20		(a) 872	(b) 840
	(c) 22.5	(d) 21.5		(c) 862	(d) 878
8.	16, 22, 33, 49, 70, ?		21.	7, 13, 24, 40, 61, ?	
	(a) 95	(b) 96		(a) 87	(b) 92
	(c) 85	(d) <b>91</b>		(c) 89	(d) 93
9.	3680, 1840, 920, 460	.2 .115, 57.5	22.	1200, 1119, 1055, 10	06 2
	(a) 225	(b) 230		(a) 960	(b) 970
	(c) 220	(d) 245		(c) 910	(d) 900
10.	3, 12, 48, 192, 768, ?	•	23.	2561, 2440, 2359, 23	10 2285 2
	(a) 3132	(b) 3072		(a) 2233	(b) 2224
	(c) 3060	(d) 3020		(c) 2269	(d) 2276
11.	4, 2, 2, 4, 16, ?		24.	135, 99 ? 45 27 15 9	
	(a) 64	(b) 72		(a) 65	(b) 66
	(c) 96	(d) 128		(c) 67	(d) 69
12.	1, 2, 10, 37, 101, 226	s. ?	25.	20, 19, 20, 18, 20, ?	
	-, -, -, -, -,,,	-		_0, .0, _0, .0, _0, .	

	(a) 17	(b) 13		(a) 320	(b) 360
	(c) 14	(d) 15		(c) 240	(d) 420
	•				
26.	87, 109, 142, 186, ?		39.	13, ?, 326, 522, 747	,1003
	(a) 214	(b) 124		(a) 157	(b) 997
	(c) 241	(d) 421		(c) 119	(d) 127
		_			
27.	210, 420, 1050, 3150		40.	99, 96, 80, ?, -1341	4 > 40
	(a) 11025	(b) 5690		(a) -41	(b) -48
	(c) 7654	(d) 9876		(c) -45	(d) -63
28.	1011, 980, 951, 924,	899 2	41.	?, 289, 169, 121, 49	25
20.	(a) 874	(b) 876	41.	(a) 324	(b) 361
	(c) 808	(d) 796		(c) 256	(d) 225
	(6) 666	(d) 100		(0) 200	(u) 220
29.	57, 59.5, 54.5, 62, 52	2, ?	42.	15, 82, 151, ?, 295,	370
	(a) 64.5	(b) 31.5		(a) 222	(b) 256
	(c) 65.5	(d) 55.5		(c) 268	(d) 231
30.	54, 55, 63, 90, 154, 3	?	43.	21, 42, ?, 504, 2520	
	(a) 265	(b) 321		(a) 111	(b) 126
	(c) 254	(d) 279		(c) 117	(d) 120
0.4	447 400 454 474 4	107.0	N. 7	4000000 074000 0	0504 0407 400 0
31.	117, 136, 154, 171, 1		44.	4826809, 371293, 2	
	(a) 202	(b) 208		(a) 13	(b) 31
	(c) 210	(d) 212		(c) 22	(d) 40
32.	5, 30, 150, ?, 1800, 3	3600	45.	29, 42, 57, 74, 93, ?	
<b>02</b> .	(a) 520	(b) 600	70.	(a) 120	(b) 114
	(c) 560	(d) 460		(c) 131	(d) 135
	(0)			(5)	(3)
33.	69120, ?, 864, 144, 3	36, 18	46.	इस श्रंखला को देखें:	4, 2, 1, (1/2), (1/4),
	(a) 6912	(b) 5680	10.	•	
	(c) 4894	(d) 5422		आगे कौन सी संख्या	•
					: 4, 2, 1, (1/2), (1/4),
34.	12, 18, 36, 90, 270, 3			What number shou	
	(a) 945	(b) 245		(a) (1/3)	(b) (1/8)
	(c) 215	(d) <b>285</b>		(c) (2/8)	(d) (1/16)
35.	31, 43, 57, ?, 91, 11		47	oi <del></del>	40 0 44 0 40 200
33.	(a) 48	(b) 51	47.	इस शृखला का दख: 7	, 10, 8, 11, 9, 12, आगे
	(c) 56	(d) 73		कौन सी संख्या आनी	चाहिए?
	(6) 66	(d) 10		Look at this series	: 7, 10, 8, 11, 9, 12,
36.	?, 39, 117, 351, 1053	3, 3159		What number shou	Id come next?
	(a) 26	(b) 11		(a) 7	(b) 10
	(c) 13	(d) 14		(c) 12	(d) 13
	- -	-			
37.	121, 134, 151, 170, 1		48.	इस श्रृंखला को देखें: 30	6, 34, 30, 28, 24, आ <b>गे</b>
	(a) 212	(b) 216		कौन सी संख्या आनी	चादिए?
	(c) 222	(d) 227			•
00	00 00 0 040 0000	45400		What number shou	: 36, 34, 30, 28, 24,
38.	32, 80, ?, 840, 3360,	15120		vviiat ilullinel 5110u	IN COINE HEAL!

	(a) 20	(b) 22		(a) 481	(b) 511	
	(c) 23	(d) 26		(c) 391	(d) 421	
49.	आगे कौन सी संख्या 3	22, 21, 23, 22, 24, 23,	58. 59.	1, 6, 13, 22, 33, ? (a) 44 (c) 46  132  156  182	(b) 45 (d) 47 210 240	?
	(a) 22 (c) 25	(b) 24 (d) 26		(a) 272 (c) 296	(b) 284 (d) 302	
50.	आगे क्या नंबर आना	3, 53, 40, 40, 27, 27, चाहिए? 53, 53, 40, 40, 27, 27,	60.	186 210 258 (a) 318 (c) 326	282 ? (b) 330 (d) 352	354
	What number sho (a) 12 (c) 27		61.	11 53 93 1 (a) 162 (c) 181	29 159 (b) 174 (d) 206	?
	निर्देश: (51-75) निम्न चिन्ह (?) के स्थान पर	लिखित प्रश्नों में प्रश्नवाचक	62.	383 394 407 (a) 429 (c) 452	414 419 (b) 446 (d) 438	?
	Directions (51-75):	What will come in n mark (?) in the	63.	35 210 1050 (a) 12600 (c) 12580	4200 ? (b) 12340 (d) 12200	25200
51.	2, 12, 36, 80, 150, ? (a) 250 (c) 200	(b) 252 (d) 270	64.	25 32 37 4 (a) 66 (c) 79	47 58 ? (b) 71 (d) 84	
52.	6, 14, 36, 98, ? (a) 276 (c) 220	(b) 275 (d) 274	65.	240 122 64 (a) 11 (c) 17.5	36 23 (b) 19.5 (d) 8	?
53.	5, 16, 49, 104, ? (a) 171 (c) 181	(b) 191 (d) 161	66.	45 49 40 9 (a) 49 (c) 38	56 ? 67 (b) 43 (d) 31	
54.	8, 7, 11, 12, 14, 17, (a) 27 (c) 24	17, 22, ? (b) 20 (d) 22	67.	256 374 504 (a) 966 (c) 902	646 800 (b) 848 (d) 874	?
55.	2, 6, 12, 20, 30, 42, 5 (a) 61 (c) 70	56, ? (b) 64 (d) 72	68.	26, 12, 10, 16, ? (a) 50 (c) 53	(b) 52 (d) 56	
56.	4, -8, 16, -32, 64, ? (a) 128 (c) 192	(b) - 128 (d) - 192	69.	122, 213, 340, 509 (a) 942 (c) 919	9, 726, ? (b) 997 (d) 950	
57.	7, 26, 63, 124, 215, 3	342, ?	70.	25, 37.5, 56.25, ?,	12.5625	

(a) 72.375 (b) 84.375 82. 64, 32, 48, 110, 420, 1890 (c) 92.255 (d) 59.750 (a) 32 (b) 1890 (c) 420 (d) 110 71. 10, 50, 94, 142, 194, ? 83. 2, 218, 561, 1073, 1800, 2802 (a) 250 (b) 270 (c) 260 (d) 240 (a) 2802 (b) 1800 (c) 1073 (d) 561 **72**. 3420, 1660, 780, 340, ?, 10 (b) 120 84. 6, 15, 42, 120, 366, 1095 (a) 135 (c) 75 (d) 185 (b) 15 (a) 6 (c) 42(d) 120 2, 10, 30, 68, ? 73. 20, 75, 192, 579, 1740, 5223 (a) 160 (b) 125 85. (c) 130 (d) 135 (a) 75 (b) 192 (c) 579 (d) 1740 74. 26, 34, ?, 50, -6, 66 4, 5, 18, 90, 672, 6057 (a) 12 (b) 10 86. (c) 22 (d) 8 (a) 4 (b) 5 (d) 90 (c) 18 **75.** 52, ?, 105, 149, 206, 277 2592, 864, 576, 624, 768, 1280 87. (a) 75 (b) 84 (a) 624 (c) 73 (d) 18 (b) 1280 (c) 864 (d) 768 निर्देश: (76-100) निम्नलिखित प्रश्नों में गलत 88. 15, 46, 139, 418, 1255, 3770 संख्या का पता लगाईए। (a) 46 (b) 139 Directions: (76-100) Find out the wrong (c) 418 (d) 3770 number in the following questions? 89. 18, 92, 360, 1112, 2226, 2228 76. 20, 21, 43, 140, 521, 2606 (b) 92 (a) 18 (a) 20 (b) 21 (c) 360 (d) 1112 (c) 43(d) 140 18, 20, 40, 123, 496, 2485 90. 15, 14, 26, 76, 296, 1475 77. (a) 18 (b) 20 (b) 14 (a) 15 (c) 40 (d) 123 (c) 26 (d) 76 7, 14, 42, 168, 720, 5040 91. 4 12 77 292 804 1804 **78**. (b) 720 (a) 14 (b) 12 (a) 4 (c) 42 (d) 5040 (c) 292 (d) 77 92. 12, 24, 50, 96, 192, 384 3 6 25 144 1152 11520 79. (a) 12 (b) 24 (a) 3 (b) 6 (c) 50 (d) 96 (c) 25 (d) 144 93. 15, 48, 99, 168, 245, 360 80. 64, 160, 400, 1000, 2500, 3600 (b) 245 (a) 99 (a) 400 (b) 1000 (c) 168 (d) 48 (c) 3600 (d) 160 94. 23, 48, 98, 198, 398, 796 81. 1, 730, 779, 904, 913, 920 (a) 796 (b) 48 (b) 920 (a) 913 (c) 198 (d) 398 (c) 730 (d) 779

95.	32, 16, 24, 84, 546,		
	(a) 16	(b) 84	
	(c) 872	(d) 24	
96.	113, 93, 75, 59, 42,		
	(a) 42 (c) 93	(b) 75 (d) 59	
	(c) <del>9</del> 3	(d) 59	
97.	143, 126, 107, 84, 5		
	(a) 22 (c) 55	(b) 126 (d) 107	
	(6) 00	(d) 101	
98.	12, 25, -7, 57, -68, 1		
	(a) 12 (c) -7	(b) 25 (d) 57	
99.	8, 15, 28, 53, 102, 2 <sup>2</sup> (a) 15		
	(a) 13 (c) 53	(b) 28 (d) 210	
100.	15, 40, 76, 125, 190, (a) 40	, 270 (b) 76	
	(c) 125	(d) 190	
		7//	

### **ANSWERS**

1.	(b)	2.	(d)	3.	(a)	4.	(d)	5.	(d)
6.	(a)	7.	(c)	8.	(b)	9.	(b)	10.	(b)
11.	(d)	12.	(b)	13.	(d)	14.	(c)	15.	(a)
16.	(a)	17.	(d)	18.	(a)	19.	(b)	20.	(c)
21.	(a)	22.	(b)	23.	(d)	24.	(d)	25.	(a)
26.	(c)	27.	(a)	28.	(b)	29.	(a)	30.	(d)
31.	(a)	32.	(b)	33.	(a)	34.	(a)	35.	(d)
36.	(c)	37.	(c)	38.	(c)	39.	(a)	40.	(c)
41.	(b)	42.	(a)	43.	(b)	44.	(a)	45.	(b)
46.	(b)	47.	(b)	48.	(b)	49.	(c)	50.	(b)
51.	(b)	52.	(a)	53.	(c)	54.	(b)	55.	(d)
56.	(b)	57.	(b)	58.	(c)	59.	(a)	60.	(b)
61.	(c)	62.	(a)	63.	(a)	64.	(b)	65.	(c)
66.	(d)	67.	(a)	68.	(d)	69.	(b)	70.	(b)
71.	(a)	72.	(b)	73.	(c)	74.	(b)	75.	(c)
76.	(d)	77.	(d)	78.	(d)	79.	(c)	80.	(c)
81.	(b)	82.	(d)	83.	(b)	84.	(d)	85.	(a)
86.	(d)	87.	(a)	88.	(d)	89.	(c)	90.	(b)
91.	(b)	92.	(c)	93.	(b)	94.	(a)	95.	(c)
96.	(a)	97.	(a)	98.	(b)	99.	(d)	100.	(d)

#### **Solution**

- 1. (b)
  Pattern is +2<sup>2</sup>,+3<sup>2</sup>,+4<sup>2</sup>,+5<sup>2</sup>......
  ? = 91 + 7<sup>2</sup> = 140
- 2. **(d)**5 12 26 47 75 110
  +7 +14 +21 +28 +35
- 3. (a)
  36 45 63 90 126 171
- 5. (d) 6 18 42 90 186 378 +12 +24 +48 +96 +192
- 6. **(a)**12 13 22 47 96 177

  +1 +9 +25 +49 +81
- 7. (c)  $6 \underbrace{\hspace{1cm}}_{\times 0.5} 3 \underbrace{\hspace{1cm}}_{\times 1} 3 \underbrace{\hspace{1cm}}_{\times 1.5} \underbrace{\hspace{1cm}}_{\times 2} 9 \underbrace{\hspace{1cm}}_{\times 2.5} \underbrace{\hspace{1cm}}_{\times 2.5}$
- 8. (b)
  Pattern is + 6, + 11, + 16, + 21,+ 26
  ∴ ? = 70 + 26
  = 96
- 9. (b) Pattern is  $\div$  2,  $\div$  2,  $\div$  2,  $\div$  2,  $\div$  2  $\div$  ? = 460  $\div$  2 = 230
- 10. (b) Series is × 4, × 4, × 4, × 4, × 4...... = 768 × 4

= 3072

- 11. (d) 4\* .5 = 2 2\*1 = 2 2\*2 = 4 4\*4 = 16 16\*8 = 128
- 12. (b) 1+1<sup>3</sup> = 2 2+2<sup>3</sup> = 10 10+3<sup>3</sup> = 37 37+4<sup>3</sup> = 101 101+5<sup>3</sup> = 226 226+6<sup>3</sup> = 442
- 13. (d) 2\*1 = 2 2\*1.5 = 3 3\*2 = 6 6\*2.5 = 15 15\*3 = 45 45\*3.5 = 157.5 157.5\*4 = 630
- 14. (c) 3 × 2 = 6 6 × 3 = 18 18 × 4 = 72 72 × 5 = 360 360 × 6 = 2160 Answer: 360
- 15. (a) 6 × 0.5 = 3 3 × 1 = 3 3 × 1.5 = 4.5 4.5 × 2 = 9 9 × 2.5 = 22.5
- 16. (a)
  2\*2 =4
  4\*3 =12
  12\*4 =48
  48\*5 =240
  240\*6 =1440
  Answer: 240
- 17. (d)  $339 + 2^1 = 341$  $341 + 2^2 = 345$

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345 + 2^3 = 353
      353 + 2^4 = 369
      Answer: 341
18.
      (a)
      24 x 2=48
      48×3=144
      144×4=576
      576×5=2880
      2880×6= 17280
19.
      (b)
      5×1=5
      5×3=15
      15×5=75
      75×7=525
      525*9=4725
      4725×11=51975
20.
      Add square of prime no. in each step
      4,9,25,49,121, so on
21.
      (a)
      7+6=13
      13+11=24
      24+16=40
      40+21=61
      61+26=87
22.
      (b)
      1200 - 81 = 1119
      1119 - 64 = 1055
      1055 - 49 = 1006
      1006 - 36 = 970
23.
      (d)
      2561-121 = 2440
      2440 - 81 = 2359
      2359 - 49 = 2310
      2310 - 25 = 2285
      2285 - 9 = 2276
24.
      (d)
      9+6 = 15
      15+12 = 27
      27+18 = 45
      45+24= 69
      69+30= 99
      99+36= 135
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20 - 1 = 19
       19 + 1 = 20
       20 - 2 = 18
       18 + 2 = 20
       20 - 3 = 17
26.
       (c)
       87+22 = 109
       109+33 = 142
       142+44 = 186
       186+55 = 241
27.
       (a)
       210*2 = 420
       420*2.5 = 1050
       1050*3 = 3150
       3150*3.5 = 11025
28.
       (b)
       1011 - 31 = 980
       980 - 29 = 951
       951 - 27 = 924
       924 - 25 = 899
       899 - 23 = 876
29.
       (a)
       57+2.5 = 59.5
       59.5 - 5 = 54.5
       54.5+7.5 = 62
       62-10 = 52
       52+12.5 = 64.5
30.
       (d)
       54+1 = 55
       55+8 = 63
       63+27 = 90
       90+64 = 154
       154+125 = 279
31.
       (a)
       117 + 19=136
       136 + 18=154
       154 + 17=171
       171 + 16=187
       187 + 15=202
32.
       (b)
       5× 6=30
       30 × 5=150
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25.

(a)

33. (a) 69120 ÷ 10=6912 6912 ÷ 8=864 864 ÷ 6=144 144 ÷ 4=36 36 ÷ 2=18 34. (a) 12 × 1.5=18  $18 \times 2 = 36$  $36 \times 2.5 = 90$  $90 \times 3 = 270$  $270 \times 3.5 = 945$ 35. (d) 31 + 12 = 4343 + 14=57 57 + 16=73 73 + 18=91 91 + 20 = 11136. (c)  $13 + (13 \times 2) = 39$  $39 + (39 \times 2) = 117$ 117 + (117 × 2)=351  $351 + (351 \times 2) = 1053$  $1053 + (1053 \times 2) = 3159$ 37. (C) 121 + 13=134 134 + 17=151 151 + 19=170 170 + 23 = 193193 + 29=222 38. (c) 32 × 2.5=80  $80 \times 3 = 240$ 240 × 3.5=840 840 × 4=3360 3360 × 4.5=15120 39. (a) 13 + 122 = 157 157 + 132 = 326 326 + 142 = 522 522 + 152 = 747 747 + 162 = 1003 40. (c)  $99 - 3^1 = 96$ 

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80 - 5^3 = -45
       -45-6^4=-1341
41.
       (b)
       19^2 = 361
       17^2 = 289
       13^2 = 169
       11^2 = 121
       7^2 = 49
       5^2 = 25
42.
       (a)
       15 + 67=82
       82 + 69=151
       151 + 71=222
       222 + 73=295
       295 + 75=370
43.
       (b)
       21 × 2=42
       42 × 3=126
       126 × 4=504
       504 × 5=2520
       2520 × 6=15120
44.
       (a)
       4826809/13 = 371293
       371293/13 = 28561
       28561/13 = 2197
       2197/13 = 169
       169/13 = 13
45.
       (b)
       9 \times 3 + 2 = 29
       10 \times 4 + 2 = 42
       11 \times 5 + 2 = 57
       12 \times 6 + 2 = 74
       13 \times 7 + 2 = 93
       14 \times 8 + 2 = 114
46.
       This is a simple division series; each
       number is one-half of the previous
       number.
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In other terms to say, the number is

divided by 2 successively to get the next

result.

4/2 = 22/2 = 1

1/2 = 1/2

(1/2)/2 = 1/4

(1/4)/2 = 1/8 and so on.

 $96 - 4^2 = 80$ 

- 47. (b)
  This is a simple alternating addition and subtraction series. In the first pattern, 3 is added; in the second, 2 is subtracted.
- 48. (b)
  This is an alternating number subtraction series. First, 2 is subtracted, then 4, then 2, and so on.
- 49. (c)
  In this simple alternating subtraction and addition series; 1 is subtracted, then 2 is added, and so on.
- 50. (b)
  In this series, each number is repeated, then 13 is subtracted to arrive at the next number.
- 51. (b)
   A unique pattern has been made into use in this series.
   All numbers are (n³ + n²) where n is 1, 2, 3 and so on.
- 52. (a)  $6 = 1^1 + 2^1 + 3^1$   $14 = 1^2 + 2^2 + 3^2$   $36 = 1^3 + 2^3 + 3^3$   $98 = 1^4 + 2^4 + 3^4$ Thus the next number will be  $1^5 + 2^5 + 3^5 = 276$
- 53. (c) +11 =16 +33 =49 +55 =104 +77 =181
- 54. (b)
  There are two series (8, 11, 14, 17, 20) and (7, 12, 17, 22) increasing by 3 and 5 respectively.
- 55. (d)
  The pattern is 1 x 2, 2 x 3, 3 x 4, 4 x 5, 5 x 6, 6 x 7, 7 x 8.
  So, the next number is 8 x 9 = 72.

- 56. (b)

  Each number is the proceeding number multiplied by -2.

  So, the required number is -128.
- 57. (b) Numbers are  $(2^3 - 1)$ ,  $(3^3 - 1)$ ,  $(4^3 - 1)$ ,  $(5^3 - 1)$ ,  $(6^3 - 1)$ ,  $(7^3 - 1)$  etc. So, the next number is  $(8^3 - 1) = (512 - 1)$ = 511.
- 58. (c) The pattern is + 5, + 7, + 9, + 11,... ∴ Missing number = 33 + 13 = 46.
- 59. (a)
  Series Pattern
  11 × 12 = 132 132
  12 × 13 = 156 156
  13 × 14 = 182 182
  14 × 15 = 210 240
  15 × 16 = 240 240
  16 × 17 = 272 272

  Hence, option (A) is correct.
- 60. (b)

  186 186

  186 + 24 = 210 210

  210 + 48 = 258 258

  258 + 24 = 282 282

  282 + 48 = 330 330  $\checkmark$ 330 + 24 = 354 354

  Hence, option (B) is correct.
- 61. (c)

  11 11

  11 + 42 = 53 53

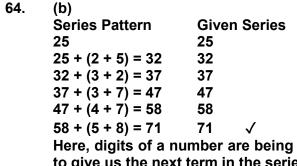
  53 + 40 = 93 93

  93 + 36 = 129 129

  129 + 30 = 159 159

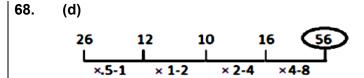
  159 + 22 = 181 181  $\checkmark$ Hence, option (C) is correct.
- 62. (a) Series Pattern **Given Series** 383 383 383 + (8 + 3) = 394394 394 + (9 + 4) = 407407 407 + (0 + 7) = 414414 414 + (1 + 4) = 419419 419 + (1 + 9) = 429429 Hence, option (A) is correct.

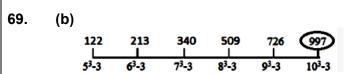
63.	(a) Series Pattern 35 35 × 6 = 210 210 × 5 = 1050	Given Series 35 210 1050
	1050 × 4 = 4200	4200
	4200 × 3 = 12600 12600 × 2 = 25200	12600 √ 25200
	Hence, option (A) is	s correct.

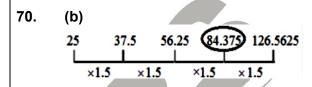


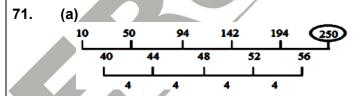
Here, digits of a number are being added to give us the next term in the series. Hence, option (B) is correct.

- 65. (c) **Series Pattern Given Series** 240 240  $240 \div 2 + 2 = 122$ 122  $122 \div 2 + 3 = 64$ 64  $64 \div 2 + 4 = 36$ 36  $36 \div 2 + 5 = 23$ 23  $23 \div 2 + 6 = 17.5$ 17.5 Hence, option (C) is correct.
- 66. **Series Pattern Given Series** 45 45  $45 + 2^2 = 49$ 49  $49 - 3^2 = 40$ 40  $40 + 4^2 = 56$ 56  $56 - 5^2 = 31$ 31  $31 + 6^2 = 67$ 67 Hence, option (D) is correct.
- 67. (a) **Series Pattern Given Series** 256 256 256 + 118 = 374374 374 + 130 = 504504 504 + 142 = 646646 646 + 154 = 800800 800 + 166 = 966966 Hence, option (A) is correct.









- 72. (b)

  3420 1660 780 340 120 10

  ÷2-50 ÷2-50 ÷2-50 ÷2-50 ÷2-50
- 73. (c)

  2 10 30 68 130

  1<sup>3</sup>+1 2<sup>3</sup>+2 3<sup>3</sup>+3 4<sup>3</sup>+4 5<sup>3</sup>+5
- 74. (b)

  26 34 10 50 -6 66

  +8 -24 +40 -56 +72
- 75. (c)

  52 73 105 149 206 277

  +21 +32 +44 +57 +71

  +11 +12 +13 +14
- 76. (d)
  20 × 1 + 1 = 21
  21 × 2 + 1 = 43
  43 × 3 + 1 = 130
  130 × 4 + 1 = 521
  521 × 5 + 1 = 2606
- 77. (d) 15 × 1 – 1 = 14 14 × 2 – 2 = 26

- 26 × 3 3 = 75 75 × 4 - 4 = 296 296 × 5 - 5 = 1475
- 78. (d) 4+2<sup>3</sup> = 12 12+4<sup>3</sup> = 76 76+6<sup>3</sup> = 292 292+8<sup>3</sup>=804 804 +10<sup>3</sup> =1804
- 79. (c) 3×2= 6 6×4 = 24 24×6 = 144 144×8 = 1152 1152×10=11520
- 80. (c) 64 × 2.5 = 160 160 × 2.5 = 400 400 × 2.5 = 1000 1000 × 2.5 = 2500 2500 × 2.5 = 6250
- 81. (b) 1 + 9<sup>3</sup> = 730 730 + 7<sup>2</sup> = 779 779 + 5<sup>3</sup> = 904 904 + 3<sup>2</sup> = 913 913 + 1<sup>3</sup> = 914
- 82. (d) 64 × 0.5 = 32 32 × 1.5 = 48 48 × 2.5 = 120 120 × 3.5 = 420 420 × 4.5 = 1890
- 83. (b) 2 + 6<sup>3</sup> = 218 218 + 7<sup>3</sup> = 561 561 + 8<sup>3</sup> = 1073 1073 + 9<sup>3</sup> = 1802 1802 + 10<sup>3</sup> = 2802
- 84. (d) 6 × 3 - 3 = 15 15 × 3 - 3 = 42 42 × 3 - 3 = 123 123 × 3 - 3 = 366 366 × 3 - 3 = 1095

- 85. (a) 20 × 3 + 3 = 63 63 × 3 + 3 = 192 192 × 3 + 3 = 579 579 × 3 + 3 = 1740 1740 × 3 + 3 = 5223
- 86. (d) 4 × 1 + 1 = 5 5 × 3 + 3 = 18 18 × 5 + 5 = 95 95 × 7 + 7 = 672 672 × 9 + 9 = 6057
- 87. (a) 2592 × 1/3 = 864 864 × 2/3 = 576 576 × 3/3 = 576 576 × 4/3 = 768 768 × 5/3 = 1280
- 88. (d) 15 × 3 + 1 = 46 46 × 3 + 1 = 139 139 × 3 + 1 = 418 418 × 3 + 1 = 1255 1255 × 3 + 1 = 3766
- 89. (c) 18 × 5 + 2 = 92 92 × 4 + 2 = 370 370 × 3 + 2 = 1112 1112 × 2 + 2 = 2226 2226 × 1 + 2 = 2228
- 90. (b) 18 × 1 + 1 = 19 19 × 2 + 2 = 40 40 × 3 + 3 = 123 123 × 4 + 4 = 496 496 × 5 + 5 = 2485
- 91. (b) 7 × 2 = 14 14 × 3 = 42 42 × 4 = 168 168 × 5 = 840 840 × 6 = 5040
- 92. (c) 12 + 12 = 24 24 + 24 = 48

48 + 48 = 96
96 + 96 = 192
192 + 192 = 384

93. (b)  

$$4^2 - 1 = 15$$
  
 $7^2 - 1 = 48$   
 $10^2 - 1 = 99$   
 $13^2 - 1 = 168$   
 $16^2 - 1 = 255$   
 $19^2 - 1 = 360$ 

96. (a)  

$$11^{2} - 8 = 113$$

$$10^{2} - 7 = 93$$

$$9^{2} - 6 = 75$$

$$8^{2} - 5 = 59$$

$$7^{2} - 4 = 45$$

$$6^{2} - 3 = 33$$

98. (b)  

$$12 + 2^3 = 20$$
  
 $20 - 3^3 = -7$   
 $-7 + 4^3 = 57$   
 $57 - 5^3 = -68$   
 $-68 + 6^3 = 148$ 

$$53 \times 2 - 4 = 102$$
  
 $102 \times 2 - 5 = 199$ 

100. (d)  

$$15 + 5^2 = 40$$
  
 $40 + 6^2 = 76$   
 $76 + 7^2 = 125$   
 $125 + 8^2 = 189$   
 $189 + 9^2 = 270$ 

