SERIES

	Directions: What will come in place of	12.	
_	stion mark (?) in the following number series?		(1) 158 (2) 156
1.	0 5 18 43 84 145 ?		(3) 260 (4) 208
	(1) 220 (2) 240		(5) None of these
	(3) 260 (4) 280	13.	7 8 17 42 ?
	(5) None of these		(1) 67 (2) 78
2.	10 17 48 165 688 3475 ?		(3) 91 (4) 106
	(1) 27584 (2) 25670		(5) None of these
	(3) 21369 (4) 20892	14.	5 6 15 50 ?
	(5) None of these		(1) 207 (2) 157
3.	1 3 24 360 8640 302400 ?		(3) 155 (4) 205
٠.	(1) 14525100 (2) 154152000		(5) None of these
	(3) 14515200 (4) 15425100	15.	729 243 81 27 ?
	(5) None of these		(1) 18 (2) 9
1	12 14 32 102 416 2090 ?		(3) 3 (4) 15
4.			(5) None of these
	(1) 15522 (2) 12552 (2) 12552	16.	11 12 26 81 ?
	(3) 13525 (4) 17552		(1) 324 (2) 328
_	(5) None of these		(3) 320 (4) 280
5.	10 15 15 12.5 9.375 6.5625 ?		(5) None of these
	(1) 4.375 (2) 3.2375	17.	5120 1280 320 80 ?
	(3) 4.6275 (4) 3.575		(1) 16 (2) 24
	(5) None of these		(3) 30 (4) 40
6.	12 16 24 40 ?		(5) None of these
	(1) 76 (2) 72	18.	7 11 27 63 ?
	(3) 84 (4) 88		(1) 96 (2) 118
	(5) None of these		(3) 99 (4) 127
7.	9 19 39 79 ?		(5) None of these
	(1) 139 (2) 129	19.	6 10 18 34 ?
	(3) 159 (4) 149		(1) 62 (2) 64
	(5) None of these		(3) 66 (4) 50
8.	8 17 42 91 ?		(5) None of these
	(1) 170 (2) 142	20.	
	(3) 140 (4) 172		(1) 95 (2) 93
	(5) None of these		(3) 96 (4) 97
9.	7 8 18 57 ?		(5) None of these
٦.	(1) 244 (2) 174	21.	87 76 66 57 49 ?
			(1) 41 (2) 42
	(3) 186 (4) 226		(3) 38 (4) 37
10	(5) None of these		(5) None of these
10.	3840 960 240 60 ?	22.	
	(1) 20 (2) 18		(1) 480 (2) 384
	(3) 12 (4) 22		(3) 288 (4) 420
	(5) None of these		(5) None of these
11.	8 39 155 464 ?	23.	16 22 38 60 98 158 ?
	(1) 231 (2) 463		(1) 218 (2) 316
	(3) 1391 (4) 927		(3) 256 (4) 308
	(5) None of these		(5) None of these

24.	11 12 ? 20 27 36 (1) 18 (2) 14 (3) 19 (4) 15	26	(3) 16854 (4) 16872 (5) 16890
	(5) None of these	36.	
25.	343 216 125 ? 27 8		(1) 500 (2) 520
_0,	(1) 64 (2) 61		(3) 490 (4) 480
	(3) 58 (4) 46		(5) None of these
	(5) None of these	37.	
26.	3 8 20 46 ? 210		(1) 13.5 (2) 14.8
	(1) 96 (2) 98		(3) 12.5 (4) 14
	(3) 100 (4) 105		(5) None of these
	(5) None of these	38.	124 112 176 420 1488 ?
27.	9 15 ? 143.5 650.25		(1) 8568 (2) 7140
	(1) 43.5 (2) 32		(3) 5712 (4) 6150
	(3) 30 (4) 40		(5) None of these
20	(5) None of these	39.	384 381 372 345 264 ?
28.	7 9 21 67 273 ?		(1) 23 (2) 25
	(1) 1097 (2) 1370		(3) 43 (4) 24
	(3) 1096 (4) 1377		(5) None of these
29.	(5) None of these 2 13 67 271 817 ?	40	282 286 302 ? 502
29.	(1) 1638 (2) 1639	то.	
	(a) 1642 (b) 1643		(1) 366 (2) 318
	(5) None of these		(3) 326 (4) 338
30.	• •	ъ.	(5) None of these
00.	(1) 93 (2) 81	Dire	ections: In the following number series only one number is wrong. Find out the wrong
	(3) 99 (4) 84		number.
	(5) None of these	41.	
Directions: What should come in place of			
	question mark (?) in the following number		(1) 1011 (2) 201
			(1) 1011 (2) 201 (3) 18 (4) 49
	series?		(3) 18 (4) 49
31.	series?	42	(3) 18 (4) 49 (5) None of these
31.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168	42.	(3) 18 (4) 49 (5) None of these 48 72 108 162 243 366
31.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148	42.	(3) 18 (4) 49 (5) None of these 48 72 108 162 243 366 (1) 72 (2) 108
	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (5) 144	42.	(3) 18 (4) 49 (5) None of these 48 72 108 162 243 366 (1) 72 (2) 108 (3) 162 (4) 243
	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (5) 144 1200 480 192 76.8 30.72 12.288 ?		(3) 18
	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (5) 144 1200 480 192 76.8 30.72 12.288 ? (1) 4.9152 (2) 5.8192		(3) 18 (4) 49 (5) None of these 48 72 108 162 243 366 (1) 72 (2) 108 (3) 162 (4) 243 (5) None of these 2 54 300 1220 3674 7350
	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (5) 144 1200 480 192 76.8 30.72 12.288 ? (1) 4.9152 (2) 5.8192 (3) 6.7112 (4) 7.6132		(3) 18
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (5) 144 1200 480 192 76.8 30.72 12.288 ? (1) 4.9152 (2) 5.8192 (3) 6.7112 (4) 7.6132 (5) 8.5172		(3) 18
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (4) 148 (5) 144 (4) 148 (5) 144 (6) 120 (76.8 30.72 12.288 ? (1) 4.9152 (2) 5.8192 (3) 6.7112 (4) 7.6132 (5) 8.5172 (6) 8.5172 (747 603 423 ?	43.	(3) 18 (4) 49 (5) None of these 48 72 108 162 243 366 (1) 72 (2) 108 (3) 162 (4) 243 (5) None of these 2 54 300 1220 3674 7350 (1) 3674 (2) 1220 (3) 300 (4) 54 (5) None of these
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (4) 148 (5) 144 (4) 148 (5) 144 (6) 120 76.8 30.72 12.288 ? (1) 4.9152 (2) 5.8192 (3) 6.7112 (4) 7.6132 (5) 8.5172 (6) 8.5172 (747 603 423 ? (1) 209 (2) 208 (2) 208 (2) 208 (3) 423 (4) 7.6132 (5) 8.5172 (6) 3 423 (7) 423 (7		(3) 18
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (4) 148 (5) 144 (4) 148 (5) 144 (6) 120 (76.8 30.72 12.288 ? (1) 4.9152 (2) 5.8192 (3) 6.7112 (4) 7.6132 (5) 8.5172 (6) 8.5172 (747 603 423 ?	43.	(3) 18
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (3) 116 (4) 148 (4) 148 (5) 144 (4) 148 (5) 144 (6) 120 76.8 30.72 12.288 ? (1) 4.9152 (2) 5.8192 (3) 6.7112 (4) 7.6132 (5) 8.5172 (6) 8.5172 (7) 603 423 ? (1) 209 (2) 208 (2) 208 (2) 208 (2) 208 (3) 6.7112 (4) 7.6132 (5) 8.5172 (6) 8.5172 (7) 603 423 ? (7) 603 423 ? (7) 603 423 ? (7) 603 423 ? (7) 603 423 ? (8) 603 803 803 ? (8) 603 803 803 ? (8) 603 803 ? (8) 603 803 ? (8) 603 803 ? 803 ? (8) 603 803 ? 803 ? 803 ? 803 ? 803 ? 803 ? 803 ? 803 ? 803 ? 803 ? 803 ? 803 ?	43.	(3) 18
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (4) 148 (5) 144 (4) 148 (6) 144 (7) 12 (8) 192 76.8 30.72 12.288 ? ? (1) 4.9152 (2) 5.8192 (3) 6.7112 (4) 7.6132 (4) 7.6132 (5) 8.5172 (6) 8.5172 (7) 603 423 ? ? (1) 209 (2) 208 (3) 207 (4) 206 (5) 205 (5) 205 (4) 206 (5) 205 (7) 205 (8) 1225 1369 1521 ?	43. 44.	(3) 18
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (4) 148 (5) 144 (4) 148 (6) 144 (7) 1200 (8) 192 76.8 30.72 12.288 ? (1) 4.9152 (2) 5.8192 (3) 6.7112 (4) 7.6132 (4) 7.6132 (5) 8.5172 (6) 8.5172 (7) 603 423 ? (1) 209 (2) 208 (3) 207 (4) 206 (5) 205 (4) 206 (5) 205 (6) 1581 (2) 1681 (2) 1681 (3) 207 (4) 206 (5) 205 (5) 205 (6) 1581 (6) 1681 (7) 1681 (8) 1681 (8) 1521 (8) 1521 (8) 1521 (9) 1681	43.	(3) 18
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (4) 148 (5) 144 (4) 148 (6) 144 (7) 12 (8) 192 12.288 ? (9) 5.8192 (1) 4.9152 (2) 5.8192 (2) 5.8192 (3) 6.7112 (4) 7.6132 (6) 8.5172 (7) 603 423 ? (8) 1202 (9) 208 (9) 208 (9) 208 (9) 208 (9) 205 (8) 205 <td>43. 44.</td> <td>(3) 18</td>	43. 44.	(3) 18
32. 33.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (4) 148 (5) 144 (4) 148 (6) 144 (7) 149 (7) 129 (7) 129 (8) 192 (9) 192	43. 44.	(3) 18
32.	series? 5 9 18 34 59 95 ? (1) 272 (2) 168 (4) 148 (5) 144 (4) 148 (6) 144 (7) 12 (8) 192 12.288 ? (9) 5.8192 (1) 4.9152 (2) 5.8192 (2) 5.8192 (3) 6.7112 (4) 7.6132 (6) 8.5172 (7) 603 423 ? (8) 1202 (9) 208 (9) 208 (9) 208 (9) 208 (9) 205 (8) 205 <td>43. 44.</td> <td>(3) 18</td>	43. 44.	(3) 18

(3) 27 (4) 3125 (1) 22.5 (2) 10.25 (5) None of these (3) 5.5 (4) 4 47. 18000 3600 720 142.2 28.8 5.76 (5) None of these	
(0)	
(3) Notice of these	
(1) 28.8 (2) 3600 57. 900, 450, 180, 90, 38, 18	
(1) 26.5 (2) 6566 (3) 5.76 (4) 142.2 (1) 180 (2) 450	
(5) None of these (3) 90 (4) 18	
48. 12 237 406 527 604 657 (5) None of these	
(1) 237 (2) 406 58. 2, 6, 12, 72, 865, 62208	
(3) 527 (4) 657 (1) 72 (2) 12	
(5) None of these (3) 62208 (4) 865	
49. 3 35 226 1160 4660 13998 (5) None of these	
(1) 13998 (2) 4660 59. 3, 4, 12, 38, 103, 228	
(3) 226 (4) 1160 (1) 103 (2) 12	
(5) None of these (3) 38 (4) 228	
50. 18 119 708 3534 14136 42405 (5) None of these	
(1) 708 (2) 3534 60. 14, 24, 68, 236, 1155, 6894	
(3) 14136 (4) 42405 (1) 24 (2) 68	
(5) None of these (3) 236 (4) 1155	
51. 6 12 36 144 722 4320 30240 (5) None of these	
(1) 36 (2) 144 61. 13 15 17 18 21 23	i
(3) 722 (4) 4320 (1) 17 (2) 15	
(5) None of these (3) 21 (4) 18	
52. 9261 6859 4913 3375 2197 1321 729 (5) None of these	
(1) 1321 (2) 6859 62. 3.5 4 14 56 782 43	904
(3) 2197 (4) 4913 (1) 14 (2) 56	
(5) None of these (3) 782 (4) 43904	
53. 3 5 8 75 1125 84375 94921875 (5) None of these	
(1) 94921875 (2) 8 63. 128 640 981 1199 13	24 1388
(3) 75 (4) 1125 (1) 640 (2) 1199	
(5) None of these (3) 1324 (4) 1388	
54. 4 5 9 20 34 59 95 (5) None of these	
(1) 9 (2) 34 64. 12 114 600 2428 72	72 14550
(3) 59 (4) 95 (1) 2428 (2) 7272	
(5) None of these (3) 600 (4) 114	
(5) None of these 55. 2 13 76 377 1506 4507 9008 65 828 424 220 116 64	20
05. 828 424 220 110 64	33
(-) (-)	
(3) 4507 (4) 1506 (3) 33 (4) 116	
(5) None of these	

Answers with explanations

1.5;
$$0 + 5 = 5$$

 $5 + 13 = 18$
 $18 + 25 = 43$

$$18 + 25 = 43$$

2.4;
$$10 \times 1 + 1 \times 7 = 10 + 7 = 17$$

$$17 \times 2 + 2 \times 7 = 34 + 14 = 48$$

$$48 \times 3 + 3 \times 7 = 144 + 21 = 165$$

$$165 \times 4 + 4 \times 7 = 660 + 28 = 688$$

$$688 \times 5 + 5 \times 7 = 3440 + 35 = 3475$$

$$\cdot$$
 ? = 3475 × 6 + 6 × 7

$$? = 3475 \times 6 + 6 \times 7$$

$$= 20850 + 42 = 20892$$

3. 3;
$$1 \times 3 = 3$$

$$3 \times 8 = 24$$

$$24 \times 15 = 360$$

$$360 \times 24 = 8640$$

$$8640 \times 35 = 302400$$

4.2;
$$12 \times 1 + 2 \times 1 = 12 + 2 = 14$$

$$14 \times 2 + 2 \times 2 = 28 + 4 = 32$$

$$32 \times 3 + 2 \times 3 = 96 + 6 = 102$$

$$102 \times 4 + 2 \times 4 = 408 + 8 = 416$$

$$? = 2090 \times 6 + 2 \times 6$$

$$\therefore 7 = 2090 \times 6 + 2 \times 6$$

= 12540 + 12 = 12552

5.1;
$$10 \times \frac{3}{2} = 15$$

1;
$$10 \times \frac{3}{2} = 15$$

$$15 \times \frac{4}{4} = 15$$

$$15 \times \frac{5}{6} = 12.5$$

$$12.5 \times \frac{6}{9} = 9.375$$

$$9.375 \times \frac{7}{10} = 6.5625$$

$$\therefore$$
 ? = $6.5625 \times \frac{8}{12} = 4.375$

6.2;
$$12_{\times 2-8}$$
 $16_{\times 2-8}$ $24_{\times 2-8}$ $40_{\times 2-8}$

7.3;
$$9_{\times 2+1}$$
 $19_{\times 2+1}$ $39_{\times 2+1}$ $79_{\times 2+1}$

8.4;
$$8_{+(3)^2}$$
 $17_{+(5)^2}$ $42_{+(7)^2}$ $91_{+(9)^2}$ $\boxed{172}$ 26. 3 27. 4 28. 31. 5; The series is:

9.5;
$$7_{\times 1+1}$$
 $8_{\times 2+2}$ $18_{\times 3+3}$ $57_{\times 4+4}$ 232

10. 5; 3840
$$\times \frac{1}{4}$$
 960 $\times \frac{1}{4}$ 240 $\times \frac{1}{4}$ 60 $\times \frac{1}{4}$ 15

11. 4;
$$8_{\times 5}$$
 - 1 $39_{\times 4}$ - 1 $155_{\times 3}$ - 1 $464_{\times 2}$ - 1

12. 5;
$$4_{\times 1+1^2}$$
 $5_{\times 2+2^2}$ $14_{\times 3+3^2}$ $51_{\times 4+4^2}$ 220

13. 2;
$$7_{+1^2}$$
 8_{+3^2} 17_{+5^2} 42_{+6^2} $\overline{7}_{5^2}$

14. 1;
$$5_{\times 1+1}$$
 $6_{\times 2+3}$ $15_{\times 3+5}$ $50_{\times 4+7}$ $\boxed{207}$

16. 2;
$$11_{\times 1 + 1}$$
 $12_{\times 2 + 2}$ $26_{\times 3 + 3}$ $81_{\times 4 + 4}$

17. 5;
$$5120_{\div 4}$$
 $1280_{\div 4}$ $320_{\div 4}$ $80_{\div 4}$ $\boxed{20}$

18. 4;
$$7_{+(2)^2}$$
 $11_{+(4)^2}$ $27_{+(6)^2}$ $63_{+(8)^2}$ $\boxed{127}$

20. 1;
$$5 \times_{2+1} 11 \times_{2+1} 23 \times_{2+1} 47 \times_{2+1} \boxed{95}$$

21. 2; The series is:

Hence, 42 will come in place of the question mark.

22. 1; The series is:

Hence, 480 will come in place of question

23. 3; The given series is based on the following pattern:

$$60 = 22 + 38$$

$$98 = 38 + 60$$

$$158 = 60 + 98$$

Hence, 256 will come in place of the question mark.

24. 4; The given series is based on following pattern:

Hence, 15 will come in place of the question

25. 1; The given series is based on the following pattern:

$$343 = 7^3$$

$$216 = 6^3$$

$$125 = 5^3$$

$$\therefore$$
 ? = 4^3 = 64

Hence, 64 will come in place of the question mark.

29. 2 28. 5 30. 3

$$+ 2^2$$
, $+ 3^2$, $+ 4^2$, ...+ 7^2

32. 1; In the series each successive term is $\frac{2}{5}$ of the previous term.

- 33.3; The series is: $-(36 \times 1), -(36 \times 2), ..., -(36 \times 6)$
- 34.2; The series is: + 120, 128, + 136, ..., + 160
- 35. 4; The series is: \times 1 + 2, \times 2 + 4, \times 3 + 6, ..., \times 6 + 12
- 36.5; The series is: $\times 1 + 10, \times 2 - 10, \times 3 + 10, \times 4 - 10, \times 5 + 10$ 130 × 4 - 10 = 520 - 10 = 510
- 37. 1; The series is \div 2 + 1.

$$\frac{25}{2} + 1 = 13.5$$

- 38.1
- 39.5; The series is: -3, -9, -27, -81, -243 264 - 243 = 21
- 40.4; The series is: $+2^2$, $+4^2$, $+6^2$, $+8^2$, 10^2 ,..... $302 + 6^2 = 302 + 36 = 338$
- $41. 3; 4 \times 1 + 2 = 4 + 2 = 6$ $6 \times 2 + 3 = 12 + 3 = 15^{-1} 18$ $15 \times 3 + 4 = 45 + 4 = 49$ $49 \times 4 + 5 = 196 + 5 = 201$ $201 \times 5 + 6 = 1005 + 6 = 1011$
- 42. 5; $48 \times \frac{3}{2} = 72$;

$$72 \times \frac{3}{2} = 108$$

$$108 \times \frac{3}{2} = 162;$$

$$162 \times \frac{3}{2} = 243$$

$$243 \times \frac{3}{2} = 364.5 \neq 366$$

- 43. 1; $2 \times 6 + 7 \times 6 = 12 + 42 = 54$ $54 \times 5 + 6 \times 5 = 270 + 30 = 300$ $300 \times 4 + 5 \times 4 = 1200 + 20 = 1220$ $3674 \times 2 + 3 \times 2 = 7344 + 6 = 7350$
- 44. 2; $2^3 = 8 : 3^3 = 27$ $4^3 = 64 : 5^3 = 125$ $6^3 = 216^{-1} 218$ $7^3 = 343$
- $45. 4; 19 + 7^2 = 19 + 49 = 68$ $68 + 6^2 = 68 + 36 = 104$ ¹ 102 $104 + 5^2 = 104 + 25 = 129$ $129 + 4^2 = 129 + 16 = 145$ $145 + 3^2 = 145 + 9 = 154$
- 46. 1; The given number series is based on the following pattern:

$$1^1 = 1; \ 2^2 = 4$$

 $3^3 = 27; \ 4^4 = 256$

 $5^5 = 3125$; $6^6 = 46656$

Hence 46658 is the wrong number.

47. 4; The given number series is based on the following pattern:

 $18000 \div 5 = 3600$

 $3600 \div 5 = 720$

 $720 \div 5 = 144$ ¹ 142.2

 $144 \div 5 = 28.3$

 $28.8 \div 5 = 5.76$

Hence 142.2 is the wrong number.

48. 5; The given number series is based on the following pattern:

 $12 + 15^2 = 12 + 225 = 237$

237 + 132 = 237 + 169 = 406

406 + 112 = 406 + 121 = 527

527 + 92 = 527 + 81 = 608 1 604

 $608 + 7^2 = 608 + 49 = 657$

Hence 604 is the wrong number.

49. 3; The given number series is based on the following pattern:

 $3 \times 7 + 2 \times 7 = 21 + 14 = 35$

 $35 \times 6 + 3 \times 6 = 210 + 18 = 228^{-1} 226$

 $228 \times 5 + 4 \times 5 = 1140 + 20 = 1160$

 $1160 \times 4 + 5 \times 4 = 4640 + 20 = 4660$

 $4660 \times 3 + 6 \times 3 = 13980 + 18 = 13998$

Hence 226 is the wrong number.

50. 2; The given number series is based on the following pattern:

 $18 \times 7 - 7 = 126 - 7 = 119$

 $119 \times 6 - 6 = 714 - 708$

 $708 \times 5 - 5 = 3540 - 5 = 3535$ 1 3534

 $3535 \times 4 - 4 = 14140 - 4 = 14136$

Hence 3534 is the wrong number.

51. 3; The given number series is based on the following pattern:

 $6 \times 2 = 12$

$$12 \times 3 = 36$$

 $36 \times 4 = 144$

 $144 \times 5 = 720^{-1} 722$

 $720 \times 6 = 4320$

Hence, the wrong number is 722.

 $1220 \times 3 + 4 \times 3 = 3660 + 12 = 3672$ 1 3674 52. 1; The given number series is based on the following pattern:

 $21 \times 21 \times 21 = 9261$

 $19 \times 19 \times 19 = 6859$

 $17 \times 17 \times 17 = 4913$

 $15 \times 15 \times 15 = 3375$

 $13 \times 13 \times 13 = 2197$

 $11 \times 11 \times 11 = 1331^{-1}1321$

Hence, the wrong number is 1321.

- 53. 2; The given number series is based on the
- following pattern: $3 \times 5 = 15^{-1} 8$

$$5 \times 15 = 75$$

$$15 \times 75 = 1125$$

 $1125 \times 75 = 84375$

Hence, the wrong number is 8.

54. 5; The given number series is based on the following pattern:

$$4 + 1^2 = 5$$

$$5 + 2^2 = 9$$

$$9 + 3^2 = 18^{-1} 20$$

$$18 + 4^2 = 34$$

$$35 + 5^2 = 59$$

$$59 + 6^2 = 95$$

Hence, the wrong number is 20.

55. 4; The given number series is based on the following pattern:

$$2 \times 7 - 1 = 13$$

$$13 \times 6 - 2 = 76$$

$$76 \times 5 - 3 = 377$$

$$1504 \times 3 - 5 = 4507$$

Hence, the wrong number is 1506.

56. 1;
$$6 \times 0.5 + 1 = 4$$
,

$$4 \times 1.0 + 1.5 = 5.5$$
,

$$5.5 \times 1.5 + 2.0 = 10.25$$
,

$$10.25 \times 2.0 + 2.5 = 23$$
,

$$23 \times 2.5 + 3.0 = 60.5$$

Hence, the wrong number is 22.5

57. 5; The series is: $\times \frac{1}{2}$, $\times \frac{1}{2}$, $\times \frac{1}{2}$, $\times \frac{1}{2}$,

$$6 \times 12 = 72$$

$$12 \times 72 = 864$$

$$72 \times 864 = 62208$$

· Wrong number is 865.

59. 3;
$$(0)^2 + 3 = 3$$

$$(1)^2 + 3 = 4$$

$$(3)^2 + 3 = 12$$

$$(6)^2 + 2 = 20$$

$$(6)^2 + 3 = 39$$

$$(10)^2 + 3 = 103$$

$$(15)^2 + 3 = 228$$

Hence, wrong number is 38. 61.4 62.3