NUMBER SERIES SHORT TRICKS & QUESTIONS WITH SOLUTIONS BY GOVERNMENTADDA.COM

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Questions on number series are prevalent in most of the exams. Almost 4-5 Questions comes in exam from this topic. These questions are based on numerical sequences that follow a logical rule/ pattern based on elementary arithmetic concepts. A particular series is given from which the pattern must be analyzed. You are then asked to predict the next number in the sequence following the same rule.

Number series is a arrangement of numbers in a certain order, where some numbers are wrongly put into the series of numbers and some number is missing in that series, we need to observe and find the accurate number to the series of numbers.

Tips For Number Series

- 1) Try to observe if there are any familiar numbers in the given series.
- 2) Familiar numbers are the numbers which which are easy to identify like primes numbers, perfect squares, cubes.
- 3) If you are unable to find familiar number, Calculate the differences between the numbers and observe the pattern in the differences.
- 4) If the differences are growing slowly it might be an addition or subtraction series or If the differences are growing rapidly it might be a square series, cube series, or multiplicative series.
- 5) If the differences also are not having any pattern then observe every alternate number (ie every 3rd number form a series) for any pattern.
- 6) The possible cases may be like sum or the average of two consecutive numbers gives 3rd number.
- 7) If still you do not find any pattern, it signifies that the series follows a complex pattern. Check for cases like multiplying the number and adding/subtracting a constant number from it to reach the pattern.

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Below are the common pattern of questions usually asked in numbers series:

I. Fibonnaci Series

The Fibonnaci sequence is a series of numbers where a no. is found by adding up the nos. before it. Let us understand the series with the help of an example:

Example 1:

0,1,1,2,3,5,8,13,21,___.



Example 2:

20, 12, 32, 44, 76, 120,____.



II. Addition series

There can be 2 types of pattern in addition series.

(A) Same number Addition series

In this type of series, the difference between 2 consecutive elements is same i.e. same digit is to be added to the previous element to obtain the next element.

Example 3:

3, 6, 9, 15, 18,___.

Sol. In the given series, the difference between the two consecutive elements is same i.e 3.

In this type of series, the number added to each term is in increasing order.



(B) Increasing order Addition series

In the given series, the difference between 2 consecutive numbers is in increasing order.

Example 4:

Sol. In the given series, the difference between 2 consecutive numbers is in increasing order i.e. *3,4,5,6,7 and* 8 *respectively*.



III. Subtraction series

(A) Same Number Subtraction Series

In this type of series, each time the same number is subtracted from the previous element to obtain the next element.

Example 5:

Sol. Here the difference between 2 consecutive nos. is 3.



(B) Increasing order Subtraction Series

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Example 6:

Sol. Here the difference between 2 consecutive elements is in increasing order.



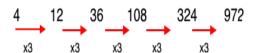
IV. Multiplication Series

(A) Same number multiplication Series

In this series, the ratio between 2 consecutive elements is same.

Example 7:

In the given series, previous element is multiplied by 3 to obtain the next element and therefore the ratio between 2 consecutive elements is same.

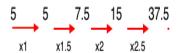


(B) Increasing order of Multiplication Series

In this type of series, elements are multiplied in increasing order to find the next element.

Example 8:

In the given series, the ratio between 2 consecutive elements is in increasing order and elements are multiplied by the numbers in increasing order.



V. Division series

(A) Same number division series

In this type, each time the previous element is divided by same digit to obtain the next element.

Example 9:

Sol. In the given series, previous element is divided by 4 to get the next element.

$$1600/4 = 400$$

$$400/4 = 100$$

$$100/4 = 25$$

$$25/4 = 6.25$$

Therefore, the correct answer = 6.25

(B) Increasing/Decreasing order division series

Example 10:

Sol. In the given series, elements are divided by 12, 10, 8, 6 and 4 respectively to obtain the next elements.



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VI. Addition & Multiplication together

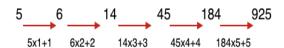
Example 11:

Sol. In such a series, addition and multiplication is used together.



Example 12:

Sol. In this series, the previous elements are multiplied respectively by numbers in increasing order & numbers in increasing order respectively added in such multiplication to obtain the next element.



VII. Decimal Fraction

Example 13:

Sol. In this series, following pattern is used:



VIII. Difference of difference series

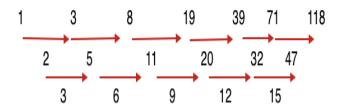
Calculate the differences between the numbers given in the series provided in the question. Then try to observe the pattern in the new set of

numbers that you have obtained after taking out the difference.

Example 14:

1, 3, 8, 19, 39, 71,____.

Sol. The following pattern is observed in the given series



IX. Twin series

In this type of series, odd place element males one series while the even place elements make another series.

Example 15:

3, *6*, *6*, *12*, *9*, *18*, . .

Sol. In this series, following pattern is used:

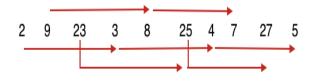


X. Tri-series

Example 16:

2, 9, 23, 3, 8, 25, 4,____.

Sol. Following pattern is used in the given series



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Example 17:

4, 9, 16, 25, 36, 49,____.

Sol. In the given series, the following pattern is used

$$2^2$$
, 3^2 , 4^2 , 5^2 , 6^2 , 7^2 , 8^2

Example 18:

Sol. In the given series, the following pattern is used

$$1^3$$
, 2^3 , 3^3 , 4^3 , 5^3 , 6^3

XII. Square & Cube addition

Example 19:

2, 3, 7, 16,____.

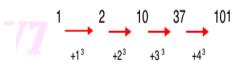
Sol. In the given series, the following pattern is used

$$2 \xrightarrow{\downarrow 1^2} 3 \xrightarrow{\downarrow 2^2} 7 \xrightarrow{\downarrow 3^2} 16 \xrightarrow{\downarrow 4^2} 32$$

Example 20:

1, 2, 10, 37,____.

Sol. In the given series, the following pattern is used



XIII. Digital Operation of Numbers

XI. Square series & Cube series

In this type of series, the digits of each number are operated in a certain way to obtain the next element of the series.

Example 21:

94, 36, 18,____.

Sol. In the given series, the following pattern is used

$$9*4 = 36$$

$$3*6=18$$

$$1 * 8 = 8$$

Correct answer - 8

- **Prime Series :** IN which the terms are the prime numbers in Order
 - \circ Ex: 2, 3, 5, 7, 11, 13, _ , 19
 - Here the terms of the series are the prime numbers in order.
 The prime number after 13 is 17. So the answer to this question is 17.
- o Alternate Primes:
 - o Ex: 2, 5, 11, 17, 23, _, 41
 - o Here the series is framed by taking the alternative prime numbers. After 23, the prime numbers are 29 and 31. So the answer is 31.
- Every Third number can be the sum of the preceding two numbers:
 - \circ Ex: 3, 5, 8, 13, 21
 - Here starting from third number

o
$$3 + 5 = 8$$

$$\circ$$
 5 + 8 = 13

$$\circ$$
 So, the answer is 13 $+ 21 = 34$

- Every Third number can be the product of the preceeding two numbers
 - o Ex: 1, 2, 2, 4, 8, 32. _

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 Here starting from the third number

$$\circ \quad 1X2 = 2$$

$$\circ$$
 2 X 2 = 4

$$\circ$$
 2 *X* 4 = 8

$$0 4 X 8 = 32$$

- o So, the answer is 8X32 = 256
- The difference of any term from its succeding term is constant (either increasing series or decreasing series :
 - o Ex: 4, 7, 10, 13, 16, 19, _, 25
 - Here the difference of any term from its succeding term is 3.

$$\circ$$
 7 - 4 = 3

$$0 10 - 7 = 3$$

$$\circ$$
 So, the answer is 19 $+ 3 = 22$

- The difference between two consecutive terms will be either increasing or decreasing by a constant number:
 - o Ex: 2, 10, 26, 50, 82, _
 - Here, The difference between two consecutive terms are

$$0 10 - 2 = 8$$

- Here, the difference is increased by 8 (or you can say the multiples of 8). So the next difference will be 40 (32 + 8).
 So, the answer is 82 + 40 = 122
- o Ex: 63, 48, 35, 24, 15, _
 - Here, the difference between the two terms are

Here, the difference is decreased by 2.
So, the next difference will be 7.

So, the answer is 15 -7 = 8.

- The difference between two numbers can be multiplied by a constant number:
 - \circ Ex: 15, 16, 19, 28, 55,
 - o Here, the differences between two numbers are
 - o 16 15 = 1
 - o 19 16 = 3
 - o 28 19 = 9
 - 55 28 = 27
 - o Here, the difference is multiplied by 3. So, the next difference will be 81. So, the answer is 55 + 81 = 136
- The difference can be multiplied by numbers which will be increasing by a constant number:
 - \circ Ex: 2, 3, 5, 11, 35, $_$
 - o The difference between two numbers are
 - \circ 3 2 = 1
 - \circ 5 3 = 2
 - 011 5 = 6
 - o 35 11 = 24
 - o Here, the differences *are multiplied by* numbers which are in increasing order.
 - Differences are
 - 0 1
 - $1 \times 2 = 2$
 - \circ 2 x 3 = 6
 - \circ 6 x 4 = 24
 - o So, the next difference will be $24 \times 5 =$ 120. So. the answer is 35 + 120 = 155.
- o Every succeeding term is got by multiplying the previous term by a constant number or numbers which follow a special pattern.
 - o Ex: 5, 15, 45, 135, _
 - o *Here*, $5 \times 3 = 15$

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- \circ 15 x 3 = 45
- \circ 45 x 3 = 135
 - o So, the answer is $135 \times 3 = 405$.
- \circ Ex: 2, 10, 40, 120, 240,
 - \circ *Here*, $2 \times 5 = 10$
 - $0 10 \times 4 = 40$
 - \circ 40 x 3 = 120
 - $0 120 \times 2 = 240$
 - o So, the answer is $240 \times 1 = 240$
- o In certain series the terms are formed by various rule (miscellaneous rules). By keen observation you have to find out the rule and the appropriate answer.
 - \circ Ex: 4, 11, 31, 90, $_$
 - o Terms are,
 - \circ 4 x 3 1 = 11
 - o $11 \times 3 2 = 31$
 - $0 31 \times 3 3 = 90$
 - o So, the answer will $be 90 \times 3 - 4 = 266$
 - \circ Ex: 3, 5, 14, 55, _
 - o Terms are,
 - \circ 3 x 2 1 = 5
 - \circ 5 x 3 1 = 14
 - $0 14 \times 4 1 = 55$
 - o So, the answer will *be* $55 \times 5 - 1 = 274$
 - \circ Ex: 3, 7, 23, 95,
 - o Terms are,
 - 0 3x2 + 1 = 7
 - 0 7x3 + 2 = 23
 - \circ 23 x 4 + 3 = 95
 - o So, the answer will $be 95 \times 5 + 4 = 479$
 - o Ex: 6, 17, 38, 79, _
 - o Terms are.
 - \circ 6 x 2 + 5 = 17
 - \circ 17 x 2 + 4 = 38
 - \circ 38 x 2 + 3 = 79
 - o So, the answer is 79 x 2 + 2 = 160

Number Series Questions

- **1.** 16, 8.5, 9.5, 21, 88, ?
- (A) 512
- (B) 624
- (C)712
- (D)848
- (E) 976
- **2.** 28, 32, 23, 39, 14, 50, ?
- (A) 1
- (B) 5
- (C) 14
- (D) 24
- (E) 62
- **3.** 4, 9, 17, ?, 69, 139, 277
- (A) 28
- (B) 35
- (C) 42
- (D) 51
- (E) None of these
- **4.** 5, 6, 16, ?, 244, 1245
- (A) 28
- (B) 55
- (C) 57
- (D) 61
- (E) None of these
- **5.** 3, 14, 39, ?, 155, 258
- (A) 84
- (B) 88
- (C) 92
- (D)96
- (E) 104
- **6**. 8, 9, 15, 32, ?, 250.5
- (A) 61
- (B) 65.5
- (C) 82.5
- (D) 87
- (E) 99
 - **7**. 4, 6, 16, 56, 240, ?
- (A) 680
- (B) 840
- (C) 960
- (D) 1020
- (E) 1232
- 8. 1, 2, 10, 37, ?, 226.
- (A) 75
- (B) 84
- (C) 95
- (D) 101

- (E) 111
- **9**. 5, 11, 20, 43, 82,?
- (A) 135
- (B) 147
- (C) 155
- (D) 169
- (E) 234
- **10**. 4, 5, 8, 28, 104, ?
- (A) 425
- (B) 484
- (C) 504
- (D) 522
- (E) 536
- **11**. 2, 4, 10, 22, 42, 72, ?
- (A) 102
- (B) 106
- (C) 114
- (D) 124
- (E) 132
- **12**. 4, 2, 2, 4, 16, ?
- (A) 64
- (B) 72
- (C) 96
- (D) 128
- (E) 156
- **13**. 15, 15, 30, 10, 40, ?, 48
- (A) 8

- (B) 20
- (C) 24
- (D) 40
- (E) 60
- **14**. 2, 3, 8, 27, 112, ?
- (A) 156
- (B) 224
- (C) 375
- (D) 480
- (E) 565
- **15**. 5, 6, 10, 33, 128, ?
- (A) 375
- (B) 445
- (C) 565
- (D) 645
- (E) 675
- **16**. 27, 50, 192, 1140, 9104, ?
- (A) 90400 (B) 91020
- (C) 92040 (D) 94060
- (E) None of these

- **17**. 4, 7, 13, 23, 38, 59, ?
- (A) 72
- (B) 80
- (C)87
- (D)95
- (E) None of these
- **18**. 6, 11, 32, 111, 464, ?
- (A) 2345
- (B) 2475

- (C) 2525(D) 3050
- (E) None of these
- **19**. 2, 12, 36, 80, ?, 252, 392
- (A) 80
- (B) 100
- (C) 120
- (D) 150
- (E) None of these
- **20**. 2, 6, 33, 49, 174, 210, ?
- (A) 275
- (B) 387
- (C) 464
- (D) 553
- (E) None of these
- **21**. 6, 8, 14, 26, 46, 76, ?
- (A) 84
- (B) 96
- (C) 112
- (D) 118
- (E) 124
- **22**. 4, 4, 6, 12, 30, ?, 315
- (A) 60
- (B) 75
- (C) 90
- (D) 115
- (E) 120
- **23**. 3, 4, 10, 33, ?, 645, 4116
- (A) 84
- (B) 112
- (C) 136
- (D) 156
- (E) 224
- **24**. 2, 3, 4, 15, 56, ?, 1704
- (A) 112
- (B) 156
- (C) 192
- (D) 234
- (E) 285
- **25**. 6, 7, 12, 26, 67.5, ?
- (A) 125
- (*B*) 145.5
- (C) 175
- (D) 205.5

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- (E) 230
- **26**. 8, 10, 24, 78, 320, ?, 9672
- (A) 740
- (B) 960

- (C) 1240
- (D) 1440
- (E) 1610
- **27**. 2, 10, 37, 101, 226, ?
- (A) 324
- (B) 442
- (C) 526
- (D) 636
- (E) 784
- **28**. 3, 7, 17, 39, 79, 143, ?
- (A) 178
- (B) 237
- (C) 264
- (D) 301
- (E) 336
- **29**. 4, 5, 8, 28, 104, ?
- (A) 208
- (C) 424
- (B) 312 (D) 536
- (E) 576
- **30**. 12, 15, 25, 42, 66, 97, ?
- (A) 135
- (B) 144
- (C) 156
- (D) 167
- (E) 182
- **31**. 1, 3, 10, 38, 168, ?
- (A) 540
- (B) 654
- (C) 724
- (D) 872
- (E) None of these
- **32**. 1, 2, 10, 37, ?, 226 (A) 75
- (C) 95
- (B) 84(D) 101
- (E) 111
- **33**. 4, 7, 13, 23, 38, 59, ?
- (A) 72
- (B) 80
- (C)87
- (D)95
- (E) None of these
- **34**. 5, 3, 4, 7.5, 17,?
- (A) 35
- (B) 42

- (C) 45
- (D) 50
- (E) 56
- **35**. 9, 11, 20, 31, 51, 82, (?)
- (A) 133
- (B) 142
- (C) 156
- (D) 164
- (E) None of these
- **36**. 5, 6, 10, 19, 35, 60, ?
- (A) 84
- (B) 96
- (C) 112
- (D) 125
- (E) 144
- **37**. 24, 28, 19, 35, 10, ?
- (A) 45
- (B) 44
- (C) 46
- (D) 42
- (E) 47
- **38**. 2, 5, 9, 19, 37, ?
- (A) 72
- (B) 75
- (C) 80
- (D) 84
- (E) None of these
- **39**. 4, 9, 17,?, 69, 139, 277
- (A) 28
- (B) 35
- (C) 42
- (D) 51
- (E) None of these
- **40**. 5, 6, 16, ?, 244, 1245
- (A) 34
- (B) 48
- (C) 57
- (D)72
- (E) None of these
- **41**. 2, 7, 15, 27, 44, 67, ?
- (A) 75
- (B) 84
- (C) 97
- (D) 108
- (E) 119
- **42**. 2, 6, 11, 20, ?, 36, 56
- (A) 24
- (B) 26
- (C) 28
- (D) 30
- (E) None of these
- **43**. 12, 25, 48, 99, 194, 393, ?

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- (A) 715
- (B) 730
- (C)750
- (D)780
- (E) None of these
- **44**. 7, 14, 25, 40, 59, 82, ?
- (A) 99
- (B) 109
- (C) 120
- (D) 135
- (E) None of these
- **45**. 9, 15, 25, 41, 65, 99, ?
- (A) 125
- (B) 135
- (C) 145
- (D) 155
- (E) None of these
- **46**. 2, 2, 3, 6, 15, 45, 157.5, ?
- (A) 250
- (B) 320
- (C) 450
- (D) 630
- (E) None of these
- **47**. 9, 5, 6, 10.5, 23, 60, ?
- (A) 132
- $(B)\ 148$
- (C) 164
- (D) 183
- (E) None of these
- **48**. 16, 20, 29, 45, 70, 106, ?
- (A) 155
- (B) 172
- (C) 184
- (D) 196
- (E) None of these
- **49**. 7, 12, 29, 92, 373, ?
- (A) 1442
- (B) 1654
- (C) 1870
- (D) 1966
- (E) None of these
- **50**. 4, 9, 20, 37, 60, 89, ?
- (A) 124
- (B) 132
- (C) 144
- (D) 156
- (E) None of these

Solutions

1.Answer is option C

Explanation:

$$16 \times 0.5 + 0.5 = 4.5$$

 $8.5 \times 1 + 1 = 9.5$

$$9.5 \times 2 + 2 = 21$$

$$21 \times 4 + 4 = 84$$

$$84 \ 8 + 8 = 712$$

2. Answer is option A

Explanation:

$$28 + 2^2 = 28 + 4 = 32$$

$$32 - 3^2 = 32 - 9 = 23$$

$$23 + 4^2 = 23 + 16 = 39$$

$$39 - 5^2 = 39 - 25 = 14$$

$$14 + 6^2 = 14 + 36 = 50$$

$$50 - 7^2 = 50 - 49 = 1$$

3. Answer is option B

Explanation:

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

$$17 = 9 \times 2 - 1$$

$$35 = 17 \times 2 + 1$$

$$69 = 35 \times 2 - 1$$

$$139 = 69 \times 2 + 1$$

4. Answer is option C

Explanation:

$$5 \times 1 + 1^2 = 5 + 1 = 6$$

$$6 \times 2 + 2^2 = 12 + 4 = 16$$

$$16 \times 3 + 3^2 = 48 + 9 = 57$$

$$57 \times 4 + 4^2 = 228 + 16 = 244$$

$$2445 + 5^2 = 1245$$

5.Answer is option A

$$1+1^2+1^3=3$$
$$2+2^2+2^3=14$$

$$3+3^2+3^3=39$$

$$3+3^{2}+3^{3}=39$$

$$4+4^2+4^3=84$$
$$5+5^2+5^3=155$$

$$6+6^2+6^3=258$$

6.Answer is option C

Explanation:
$$8*1+1=9$$

$$15*2+2 = 32$$

$$32*2.5+2.5 = 82.5$$

$$82.5*3+3 = 250.5$$

7.Answer is option E

Explanation:

$$4*1+2=6$$

$$6*2+4 = 16$$

$$16*3+8=56$$

$$56*4+16 = 240$$

$$240*5+32 = 1232$$

8.Answer is option D

Explanation:

$$1+13=2$$

$$2+23=10$$

$$10+33=37$$

$$37+43 = 101$$

$$101 + 53 = 226$$

9.Answer is option D

Explanation:

$$5*2+1 = 11$$

$$11*2-2 = 20$$

$$20*2+3 = 43$$

$$43*2-4 = 82$$

$$82*2+5 = 169$$

10.Answer is option E

$$4*1+1=5$$

$$8*3+4=28$$

$$28*4-8 = 104$$

 $104*5+16 = 536$

11.Answer is option C

Explanation:

$$2+I^{2} + I = 4$$
$$4+2^{2} + 2 = 10$$

$$4+2^2+2=10$$

$$10+3^2+3=22$$

$$22+4^{2}+4=42$$

$$42+5^{2}+5=72$$

$$42+5^{2}+5=72$$

$$72+6^2+6=114$$

12.Answer is option D

Explanation:

$$4*.5 = 2$$

$$2*1 = 2$$

$$2*2 = 4$$

$$4*4 = 16$$

$$16*8 = 128$$

13. Answer is option A

Explanation:

$$15/1 = 15$$

$$15*2 = 30$$

$$30/3 = 10$$

$$10*4 = 40$$

$$40/5 = 8$$

14.Answer is option D

Explanation:

$$2*1+1=3$$

$$3*2+2=8$$

$$8*3+3=27$$

$$27*4+4=112$$

$$112*5+5=565$$

15.Answer is option D

$$5*1+1=6$$

$$6*2-2 = 10$$

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$$10*3+3=33$$

16. Answer is option B

Explanation:

$$27*2-4 = 50$$

17. Answer is Option C Explanation:

$$\vee$$
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e should be 59+28 = 87

18.Answer is option A

Explanation:

$$6*1+5 = 11$$

$$11*2+10 = 32$$

$$32*3+15 = 111$$

 $111*4+20 = 464$

19. Answer is option D Explanation:

$$1^2 + 1^3 = 2$$

$$2^2 + 2^3 = 12$$

$$3^2 + 3^3 = 36$$

$$4^2 + 4^3 = 80$$

$$5^2 + 5^3 = 150$$

$$5 + 5 = 150$$

$$6^2 + 6^3 = 252$$

$$7^2 + 7^3 = 392$$

20. Answer is option D

Explanation:

$$1+1^3=2$$

$$2+2^2=6$$

$$6+3^3=33$$

$$33+4^2=49$$

$$49+5^3=174$$

$$174+6^2=210$$

$$1/4+6^2=210$$

 $210+7^3=553$

21. Answer is Option D

Explanation: 6, 8, 14, 26, 46, 76, ? V V V V V V

There should be 76+42 = 118

22. Answer is option C Explanation:

$$4*1 = 4$$

$$4*1.5 = 6$$

$$6*2 = 12$$

$$12*2.5 = 30$$

$$30*3 = 90$$

$$90*3.5 = 315$$

23. Answer is option C Explanation:

$$3*1+1=4$$

$$4*2+2 = 10$$

$$10*3+3=33$$

$$33*4+4 = 136$$

$$136*5+5=685$$

$$685*6+6 = 4116$$

24. Answer is option E Explanation:

$$2*1+1=3$$

$$3*2-2=4$$

$$4*3+3=15$$

$$15*4-4 = 56$$

$$56*5+5=285$$

25. Answer is option D Explanation:

$$6*1+1=7$$

$$7*1.5+1.5=12$$

$$12*2+2=26$$

$$26*2.5+2.5 = 67.5$$

$$67.5*3+3 = 205.5$$

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26. Answer is option E Explanation:

$$8*1+2 = 10$$

$$10*2+4=24$$

$$24*3+6 = 78$$

$$78*4+8 = 320$$

$$320*5+10 = 1610$$

$$1610*6+12 = 9672$$

27. Answer is option B Explanation:

$$1+1^3=2$$

$$2+2^3=10$$

$$10+3^3=37$$

$$37+4^3=101$$

$$101+5^3=226$$

$$226+6^3=442$$

28. Answer is Option B

Explanation:

There should be 143+94 = 237

29.Answer is option

D Explanation:

$$4*1+1=5$$

$$5*2-2 = 8$$

$$8*3+4=28$$

30. Answer is option A

Explanation:

$$\vee$$
 \vee \vee \vee \vee

There should be 97+36 = 153

31. Answer is option D

Explanation:

$$1*1+2=3$$

$$3*2+4 = 10$$

$$10*3+8 = 38$$

 $38*4+16 = 168$
 $168*5+32 = 872$

32. Answer is option D Explanation:

$$1+1^{3} = 2$$

$$2+2^{3} = 10$$

$$10+3^{3} = 37$$

$$37+4^{3} = 101$$

$$101+5^{3} = 226$$

33. Answer is option C Explanation:

There should be 59+28 = 87

34. Answer is option C

Explanation:

$$5 \times 0.5 + 0.5 = 3$$

 $3 \times 1 + 1 = 4$
 $4 \times 1.5 + 1.5 = 7.5$
 $7.5 \times 2 + 2 = 17$
 $17 \times 2.5 + 2.5 = 45$

35. Answer is option A **Explanation:**

$$9+11 = 20$$

 $11+20=31$

36. Answer is option B

$$5 + (1^2) = 5 + 1 = 6$$

 $6 + (2^2) = 6 + 4 = 10$

$$10 + (3^2) = 10 + 9 = 19$$

$$19 + (4^2) = 19 + 16 = 35$$

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$$35 + (5^2) = 35 + 25 = 60$$

$$60 + (6^2) = 60 + 36 = 96$$

37. Answer is option C

Explanation:

$$24 + 2^2 = 24 + 4 = 28$$

$$28 - 3^2 = 28 - 9 = 19$$

$$19 + 4^2 = 19 + 16 = 35$$

$$35 - 5^2 = 35 - 25 = 10$$

$$10 + 6^2 = 10 + 36 = 46$$

38. Answer is option B

Explanation

The pattern is: every number is arrived at previous number multiplied by 2 and then alternate addition and subtraction by 1 i.e.

2

$$5=2\times2+1$$

 $9=5\times2-1$
 $19=9\times2+1$
 $37=19\times2-1$
the next term $37\times2+1=75$

39. Answer is option B

Explanation:

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

 $17 = 9 \times 2 - 1$
 $35 = 17 \times 2 + 1$
 $69 = 35 \times 2 - 1$
 $139 = 69 \times 2 + 1$
 $277 = 139 \times 2 - 1$

40. Answer is option C

Explanation:

$$5 \times 1 + 12 = 5 + 1 = 6$$

 $6 \times 2 + 22 = 12 + 4 = 16$
 $16 \times 3 + 32 = 48 + 9 = 57$
 $57 \times 4 + 42 = 228 + 16 = 244$
 $244 \times 5 + 52 = 1245$

Q41. Answer is option C

Explanation:

There should be 67+30 = 97

Q42. Answer is option D Explanation:

$$1+1^2=2$$

$$2+2^2=6$$

$$3+3^2=12$$

$$4+4^2=20$$

$$5+5^2=30$$

$$6+6^2=36$$

$$7+7^2=56$$

Q43. Answer is option D Explanation:

$$12*2+1=25$$

$$25*2-2 = 48$$

$$48*2+3 = 99$$

$$194*2+5 = 393$$

Q44.Answer is option B

Explanation:

There should be 82+27 = 109

Q45.Answer is option C

Explanation:

There should be 99+46 = 145

Q46. Answer is option D Explanation:

$$2*1 = 2$$

$$2*1.5 = 3$$

$$3*2 = 6$$

$$6*2.5 = 15$$

$$15*3 = 45$$

Q47.Answer is option D Explanation:

$$9*.5+.5=5$$

$$5*1+1=6$$

$$10.5*2+2=23$$

$$23*2.5+2.5=60$$

$$60*3+3=183$$

Q48. Answer is option A

Explanation:

Squares of consecutive numbers, the next term should be 106+49 = 155

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Q49. Answer is

option C

Explanation:

$$7*1+5 = 12$$

$$12*2+5 = 29$$

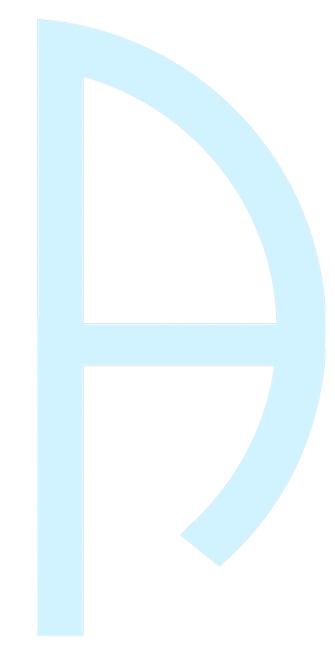
$$29*3+5 = 92$$

$$373*5+5 = 1870$$

Q50. Answer is option A

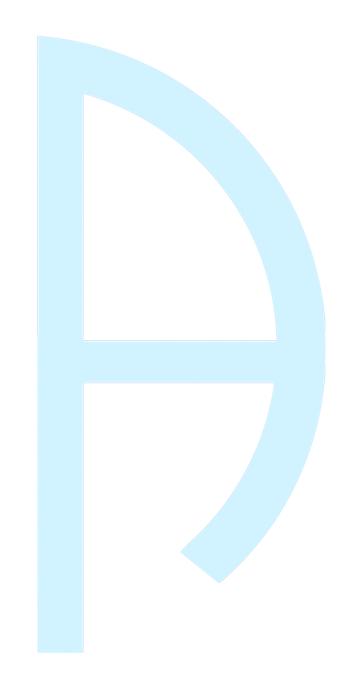
Explanation:

There should be 89+35 = 124



Number Series Questions

- 1) 4,3,5,24,55,?
- 2) 16,13.9,18.1,11.8,?
- 3) 2160,?,72,18,6,3
- 4) 6,3,3,4.5,9,?
- 5) 24,?,44,80,144,244
- 6) 1440,?,48,12,4,2
- 7) 22,19.7,24.3,17.4,?,15.1
- 8) 5, 4, 7, 20, 79, ?
- 9) 32, ?, 52, 88, 152, 252
- 10) 21, 37, 40.2, 88.2, 94.6, ?
- 11) 142, 70, 34, 16, ?, 2.5
- 12) 17, 9, 10, 16.5, 35, ?
- 13) 89, 86, 78, 63, 41, ?
- 14) 1, 3, 4, 8, 15, 27, ?
- 15) 5760, ?, 1440, 160, 10, 0.4
- 16) 8, 5, 6, 10, 21, ?
- 17) 339, ?, 345, 353, 369
- 18) 38, ?, 25.2, 18.8, 22
- 19) 0.5, 1, 5, 40, 440,?
- 20) 0.1, 0.2, 1, 8, 88, ?
- 21) 9, 31.4, 20.2, 25.8, 23, ?
- 22) 10, 6, 7, 11.5, 24, ?
- 23) 2880, ?, 720, 80, 5, 0.2
- 24) 259, ?, 253, 245, 229, 197
- 25) 8, 4, 4, 6, 12, 32
- 26) 7, 16, 45, 184, 915, ?
- 27) 11, 20, 38, 74, ? 290
- 28) 15, 21, 38, 65, 101, ?
- 29) 24, 28, 19, 35, 10, ?
- 30) 14, 6, 4, 4, 8, ?



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Solution

Q1)
$$4 \times 1 - 1 = 3$$

$$3 \times 2 - 1 = 5$$

$$5 \times 3 - 1 = 14$$

$$14 \times 4 - 1 = 55$$

$$55 \times 5 - 1 = 274$$

Answer: 274

Q2)
$$16 - 2.1 = 13.9$$

$$13.9 + 2.1 \times 2 = 18.1$$

$$18.1 - 2.1 \times 3 = 11.8$$

$$11.8 + 2.1 \times 4 = 20.2$$

Answer: 20.2

Q3)
$$3 \times 2 = 6$$

$$6 \times 3 = 18$$

$$18 \times 4 = 72$$

$$72 \times 5 = 360$$

$$360 \times 6 = 2160$$

Answer: 360

Q4)
$$6 \times 0.5 = 3$$

$$3 \times 1 = 3$$

$$3 \times 1.5 = 4.5$$

$$4.5 \times 2 = 9$$

$$9 \times 2.5 = 22.5$$

Answer: 22.5

Q5)
$$24 + 2^2 = 28$$

$$28 + 4^2 = 44$$

$$44 + 6^2 = 80$$

$$80 + 8^2 = 144$$

$$144 + 10^2 = 244$$

Answer: 28

$$24.3 - (2.3*3) = 17.4$$

Answer: 26.6

Q8)
$$5*1 - 1 = 4$$

Answer: 364

Q9)
$$32 + 2^2 = 36$$

$$36 + 4^2 = 52$$

$$52 + 6^2 = 88$$

$$88 + 8^2 = 152$$

$$152 + 10^2 = 252$$

Answer: 36

Q10) 21+16 =37

Answer: 238.6

Q11) (142/2) -1 =70

$$(70/2)-1=34$$

$$(16/2) - 1 = 7$$

$$(7/2) -1 = 2.5$$

Q12)
$$17*0.5+0.5=9$$

- 9*1 +1= 10
- 10*1.5 +1.5 =16.5
- 16.5 *2 +2 =35
- 35 *2.5 +2.5 = 90
- Answer: 90
- Q13) The differences are: $2^2 1$, $3^2 1$, $4^2 1$, $5^2 1$...
- Answer: 76
- Q14) 1+3=4
- 1+3+4 =8
- 3+4+8 = 15
- 4+8+15 = 27
- 8+15+27 =50
- Answer: 50
- Q15) $5760/1^2 = 5760$
- $5760/2^2 = 1440$
- $1440/3^2 = 160$
- $160/4^2 = 10$
- $10/5^2 = 0.4$
- Answer:5760
- Q16) $8 \times 0.5 + 1 = 5$
- $5 \times 1 + 1 = 6$
- $6 \times 1.5 + 1 = 10$
- $10 \times 2 + 1 = 21$
- $21 \times 2.5 + 1 = 53.5$
- Answer: 53.5
- Q17) $339 + 2^1 = 341$
- $341 + 2^2 = 345$
- $345 + 2^3 = 353$
- $353 + 2^4 = 369$
- Answer: 341
- Q18) 38 25.6/1 = 12.4
- 12.4 + 25.6/2 = 25.2
- 25.2 25.6/4 = 18.8
- 18.8 + 25.6/8 = 22
- Answer: 12.4

- Q19) $0.5 \times 2 = 1$
- $1 \times (2 + 3) = 5$
- $5 \times (2 + 3 + 3) = 40$
- $40 \times (2 + 3 + 3 + 3) = 440$
- $440 \times (2 + 3 + 3 + 3 + 3) = 6160$
- Answer: 6160
- Q20) $0.1 \times 2 = 0.2$
- $0.2 \times (2+3) = 1$
- $1 \times (2 + 3 + 3) = 8$
- $8 \times (2 + 3 + 3 + 3) = 88$
- $88 \times (2 + 3 + 3 + 3 + 3) = 1232$
- Answer: 1232
- Q21)9 + 22.4 = 31.4
- 31.4 22.4/2 = 20.2
- 20.2 + 22.4/4 = 25.8
- 25.8 22.4/8 = 23
- 23 + 22.4/16 = 24.4
- Answer: 24.4
- Q22) $10 \times 0.5 + 1 = 6$
- $6 \times 1 + 1 = 7$
- $7 \times 1.5 + 1 = 11.5$
- $11.5 \times 2 + 1 = 24$
- $24 \times 2.5 + 1 = 61$
- Answer: 61
- $Q23) 2880/1^2 = 2880$
- $2880/2^2 = 720$
- $720/3^2 = 80$
- $80/4^2 = 5$
- $5/5^2 = 0.2$
- Answer: 720
- Q24) 259 2 = 257
- 257 2 = 253
- 253 2 = 245
- 245 2 = 229
- 229 2 = 197
- Answer: 257
- Q25) 8*0.5 =4



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4* 1 =4

4*1.5 =6

6*2 =12

12*2.5 = 30

So the wrong term is 32

Q26) x2+2, x3-3, x4+4...

Answer: 5496

Q27) +9+18+36+72+

Answer= 146

Q28) Difference (6+17+27+36+44..)

6+11=17

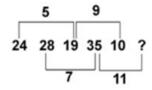
17+10= 27

27+9 = 36

36+8=44

Answer= 145

Q29)



Answer: 46

Q30) X1-8, x2-8, x3-8, x4-8 ...

Answer: 32



Wrong Number Series

- 1). 50 51 47 56 42 65 29
 - a) 51
 - b) 47
 - c) 56
 - *d*) 42
 - e) 65
- 2). 3 9 23 99 479 2881 20159
 - a) 9
 - b) 23
 - c) 99
 - d) 479
 - e) 2881
- 3). 7 4 6 9 20 52.5 160.5
 - a) 6
 - b) 4
 - c) 20
 - d) 9
 - e) 52.5
- 4). 1 3 6 11 20 39 70
 - *a*) 3
 - b) 39
 - c) 11
 - *d*) 20
 - e) 6
- 5), 2 13 27 113 561 3369 23581
 - a) 27
 - b) 13
 - c) 113
 - d) 561
 - e) 3369
- 6). 7 16 27 40 46

- *a*) 7
- b) 16
- c) 27
- d) 40
- e) 46
- 7). 729 1331 2497 3375 4913
 - a) 729
 - b) 1331
 - c) 3375
 - d) 2497
 - e) 4913
- 8). 80 119 166 221 223
 - a) 80
 - b) 119
 - c) 166
 - d) 192
 - e) 223
- 9). 8 8.5 11.5 14 17
 - a) 8
 - b) 8.5
 - c) 11.5
 - d) 14
 - *e*) 17
- 10). 439 778 1456 2812 5624
 - a) 439
 - b) 778
 - c) 1456
 - d) 2812
 - e) 5624
- 11). 17, 36, 132, 635, 3500, 21750, 153762
 - a) 635
 - *b*) 17
 - c) 132
 - d) 3500

- e) 36
- 12). 17, 20, 46, 147, 599, 3015, 18018
 - a) 20
 - b) 46
 - c) 599
 - d) 147
 - e) 3015
- 13). 90, 135, 286, 750, 2160, 6405, 19155
 - a) 90
 - b) 750
 - c) 6405
 - d) 286
 - e) 2160
- 14). 9, 14, 40, 129, 536, 2705, 16260
 - a) 14
 - b) 40
 - c) 536
 - d) 9
 - e) 129
- 15). 8, 18, 64, 272, 1395, 8424, 59045
 - a) 18
 - *b*) 8
 - c) 272
 - d) 1395
 - e) 64
- 16). 32, 39, 65, 128, 253, 467, 809, 1320
 - a) 39
 - *b*) 65
 - c) 253
 - d) 467
 - *e*) 32
- 17). 38, 49, 62, 72, 77, 91, 101
 - a) 49

- b) 72
- c) 77
- d) 91
- e) 38
- 18).19, 22, 32, 46, 73, 108, 158
 - a) 22
 - b) 46
 - c) 73
 - d) 19
 - e) 158
- *19*). *47*, *44*, *45*, *46*, *33*, *57*, *3*, *88*
 - a) 44
 - b) 57
 - c) 46
 - *d*) 3
 - e) 47
- 20). 45, 131, 228, 338, 466, 619, 800
 - a) 131
 - b) 466
 - c) 619
 - d) 45
 - e) 800

Solution

1). The series is $50 + 1^2 = 51$, $51 - 2^2 = 47$, $47 + 3^2 = 56$, $56 - 4^2 = 40$, $40 + 5^2 = 65$, $65 - 6^2 = 29$.

Hence, there should be 40 in place of 42. Answer is: D

2). The series is $3 \times 2 + 3 = 9$, $9 \times 3 - 4 = 23$, $23 \times 4 + 5 = 97$, $97 \times 5 - 6 = 479$, $479 \times 6 + 7 = 2881$, $2881 \times 7 - 8 = 20159$

Hence, there should be 97 in place of 99. Answer is: C

- 3). The series is x0.5 + 0.5, x1 + 1, x1.5 + 1.5, x2 + 2, x2.5 + 2.5, x3 + 3...Hence, there should be 5 in place of 6. Answer is: A
- 4). The series is $1 \times 2 + 1 = 3$, $3 \times 2 + 0 = 6$, $6 \times 2 1 = 11$, $11 \times 2 2 = 20$, $20 \times 2 3 = 37$, $37 \times 2 4 = 70$.

Hence, there should be 37 in place of 39. Answer is: B

- 5). The series is $2 \times 2 + 7 = 11$, $11 \times 3 6$ = 27, $27 \times 4 + 5$, = 113, $113 \times 5 - 4 = 561$, $561 \times 6 + 3 = 3369$, $3369 \times 7 - 2 = 23581$. Hence, there should be 11 in place of 13. Answer is: B
- 6). The series is $5 \times 1 + 2 = 7$, $6 \times 2 + 4 = 16$, $7 \times 3 + 6 = 27$, $8 \times 4 + 8 = 40$, $9 \times 5 + 10 = 55$.

Hence, there should be 55 in place of 46. Alternate Method: +9, +11, +13, +15 Answer is: E

7). The series is 9³, 11³, 13³, 15³, 17³, Hence, there should be 2197 in place of 2497.

Answer is: D

8). The series is $9^2 - 1$, $11^2 - 2$, $13^2 - 3$, $15^2 - 4$, $17^2 - 5$,

Hence, there should be 284 in place of 223. Answer is: E

- 9). The series is 8 + 1.5 = 9.5, 9.5 + 2 = 11.5, 11.5 + 2.5 = 14, 14 + 3 = 17 Hence, there should be 9.5 in place of 8.5. Answer is: B
- 10). The series is +339, +678, +1356, +2712,

Hence, there should be 5524 in place of 5624.

Answer is: E

11). The number series should be 636 in the place of 635.

The series is
$$(17 + 1^3) \times 2$$
, $(36 + 2^3) \times 3$, $(132 + 3^3) \times 4$, $(636 + 4^3) \times 5$
Answer is: a)

12). The number series should be 600 in the place of 599.

The series is $\times 1 + 3$, $\times 2 + 6$, $\times 3 + 9$, $\times 4 + 12$, $\times 5 + 15$ Answer is: c)

13). The number series should be 285 in the place of 286.

The series is $(90-45) \times 3$, $(135-40) \times 3$, $(285-35) \times 3$, $(750-30) \times 3$, $(2160-25) \times 3$,...

Answer is: d)

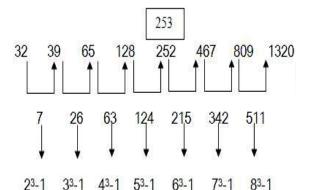
14). The number series should be 38 in the place of 40.

The series is
$$\times 1 + 5$$
, $\times 2 + 10$, $\times 3 + 15$, $\times 4 + 20$, $\times 5 + 25$
Answer is: b)

15). The number series should be 63 in the place of 64.

The series is
$$(8+1) \times 2$$
, $(18+3) \times 3$, $(63+5) \times 4$, $(272+7) \times 5$
Answer is: e)

16). The series is...



Hence, 253 is a wrong number.

Answer: C

17). The series is,

$$38 = 3 + 8 = 11 = 38 + 11 = 49$$

$$49 = 4 + 9 = 13 = 49 + 13 = 62$$

$$62 = 6 + 2 = 8 = 62 + 8 = 70 \neq 72$$

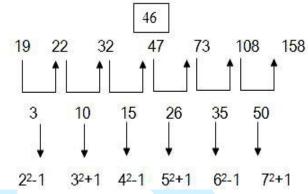
$$70 = 7 + 0 = 7 = 70 + 7 = 77$$

$$77 = 7 + 7 = 14 = 77 + 14 = 91$$

$$91 = 9 + 1 = 10 = 91 + 10 = 101$$

Hence, 72 is the wrong number.

18) The series,



Hence, 46 is the wrong number Answer: B

19). First series 47, 45, 33, 3

$$47 - (1 \times 2) = 45$$

$$45 - (3 \times 4) = 33$$

$$33 - (5 \times 6) = 3$$

Second series 44, 46, 57, 88

$$44 + (1 \times 2) = 46$$

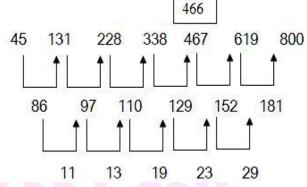
$$46 + (3 \times 4) = 58 \neq 57$$

$$58 + (5 \times 6) = 88$$

Hence, 57 is the wrong answer.

Answer: B

20). The series is,



11, 13, 19, 23 and 29 are the prime numbers

Hence, 466 is the wrong number.

Answer: B

Wrong Number Series

- 1). 1, 8, 66, 460, 2758, 13785, 55146
 - a) 460
 - b) 2758
 - c) 66
 - *d*) 8
 - e) 55146
- 2). 56, 57, 48, 73, 24, 105, -10
 - a) 57
 - b) 73
 - c) 105
 - d) -10
 - e) 24
- 3). 2, 2, 13, 59, 363, 2519, 20161
 - a) 13
 - b) 20161
 - c) 2519
 - d) 59
 - e) 363
- 4). 3, 1, 3, 0.7, 3, 0.6, 3, 0.5, 3
 - *a*) 1
 - b) 0.7
 - c) 0.6
 - *d*) 3
 - e) 0.5
- 5). 2, 6, 13, 26, 54, 100, 197
 - a) 26
 - b) 100
 - c) 54
 - d) 197
 - e) 13
- 6). 3, 7.5, 15, 37.5, 75, 167.5, 375

- a) 167.5
- *b*) 75
- c) 37.5
- d) 15
- e) 7.5
- 7). 0, 1, 9, 36, 99, 225, 441
 - a) 9
 - b) 36
 - c) 99
 - d) 225
 - e) 441
- 8). 2, 3, 5, 8, 14, 23, 41, 69
 - *a*) 5
 - b) 8
 - c) 14
 - d) 41
 - e) 69
- 9). 5, 10, 17, 27, 37, 50, 65
 - a) 10
 - b) 17
 - c) 37
 - d) 27
 - *e*) 50
- 10). 108, 54, 36, 18, 9, 6, 4
 - a) 54
 - b) 36
 - c) 18
 - d) 9
 - e) 6
- 11). 4, 12, 42, 196, 1005, 6066, 42511
 - a) 12
 - *b*) 42
 - c) 196
 - d) 1005

- e) 6066
- 12). 7, 13, 25, 49, 97, 194, 385
 - a) 13
 - *b*) 25
 - c) 49
 - d) 194
 - e) 385
- 13). 10, 15, 24, 35, 54, 75, 100
 - a) 10
 - b) 24
 - c) 35
 - d) 54
 - e) 100
- 14). 2, 8, 32, 148, 765, 4626, 32431
 - a) 32431
 - b) 765
 - c) 148
 - d) 32
 - *e*) 2
- 15). 73, 57, 49, 44, 43, 42
 - a) 73
 - *b*) 57
 - c) 49
 - d) 44
 - *e*) 42
- 16). 1527, 1185, 985, 865, 823, 817
 - a) 985
 - b) 865
 - c) 823
 - d) 817
 - e) 1185
- 17). 110, 106, 204, 608, 2384, 11900
 - a) 2384

- b) 106
- c) 11900
- d) 608
- e) 204
- 18). 71, 90, 128, 185, 261, 365
 - a) 365
 - b) 128
 - c) 185
 - d) 90
 - e) 261
- *19*). 8, *17.5*, *64.75*, *157.375*, *561.3125*, *1400.78125*
 - *a*) 17.5
 - b) 64.75
 - c) 157.375
 - d) 561.3125
 - e) 1400.78125
- 20). 18, 36, 144, 864, 6912, 691020
 - a) 691020
 - b) 144
 - c) 864
 - d) 6912
 - e) 36
- 21). 76, 75, 142, 399, 1530, 7535
 - a) 399
 - b) 142
 - c) 75
 - d) 1530
 - e) 7535
- 22). 84, 138, 192, 270, 348, 434
 - a) 192
 - b) 138
 - c) 84
 - d) 348

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- e) 434
- 23). 88, 88, 176, 530, 2112, 10560
 - a) 88
 - b) 176
 - c) 2112
 - d) 105602
 - e) 530
- 24). 2400, 1295, 625, 255, 80, 15
 - *a*) 2400
 - b) 1295
 - c) 625
 - d) 80
 - e) 15
- 25). 45, 62, 81, 102, 123, 150
 - *a*) 45
 - b) 62
 - c) 102
 - d) 81
 - e) 123
- 26). 127 470 686 811 875 885
 - a) 470
 - b) 686
 - c) 811
 - d) 885
 - e) 875
- 27). 1296 652 328 169 88.5 48.25
 - a) 328
 - b) 169
 - c) 88.5
 - d) 1296
 - e) 652
- 28). 2 5 15 131 530 13257
 - *a*) 5

- b) 15
- c) 131
- d) 530
- e) 13257
- 29). 508 640 776 925 1092 1283
 - a) 640
 - b) 508
 - c) 925
 - d) 1092
 - e) 1283
- 30). 1325 714 318 90 -18 -54
 - a) 714
 - b) 318
 - c) 90
 - d) -18
 - e) 1325

Solution

- 1). 186646027581378555146Here $1 \times 9 - 1 = 8$; $8 \times 8 + 2 = 66$; $66 \times 7 - 3 = 459$; $459 \times 6 + 4 = 2758$; $2758 \times 5 - 5 = 13785$; $13785 \times 4 + 6 = 55146$ Answer: a)
- 2). 56 57 48 73 24 105 -10 Here 56 +1^2 = 57; 57 - 3^2 = 48; 48 + 5^2 = 73; 73 - 7^2 = 24; 24 + 9^2 = 105; 105 -11^2 = -16 Answer: d)
- 3). 2 2 13 59 363 2519 20161 Here $2 \times 3 - 4 = 2$; $2 \times 4 + 5 = 13$; $13 \times 5 - 6 = 59$; $59 \times 6 + 7 = 361$; $361 \times 7 - 8 = 2519$; $2519 \times 8 + 9 = 20161$ Answer: e)
- 4). $3\ 1\ 3\ 0.7\ 3\ 0.6\ 3$ $3 \times 1/3 = 1$; $1 \times 3 = 3$; $3 \times 1/4 = 0.75$; $0.75 \times 4 = 3$; $3 \times 1/5 = 0.6$; $0.6 \times 5 = 3$; $3 \times 1/6 = 0.5$; $0.5 \times 6 = 3$.

Answer: b)

- 5). 26132654100197 $Here 2 \times 2 + 2 = 6; 6 \times 2 + 1 = 13;$ $13 \times 2 + 0 = 26; 26 \times 2 - 1 = 51;$ $51 \times 2 - 2 = 100; 100 \times 2 - 3 = 197$ Answer: c)
- 6). The series is $\times 2.5$, $\times 2$ alternately Answer: a)

- 7). The differences are 0 1 9 36 99 225 441 $0^2 1^2 3^2 6^2 10^2 15^2 21^2$ Answer: c)
- 8). The series is an alternate series, having S 1 = 251441; $\times 3 1$ in each term S 2 = 382369; $\times 3 1$ in each term Answer: e)
- 9). The series is +5, +7, +9, +11, Answer: d)
- 10). The series is $\div 2$, $\div 1.5$ alternately. Answer: d)
- 11). b) 4, 12, 42, 196, 1005, 6066, 42511 $4 \times 2 + (2)^2 = 12$ $12 \times 3 + (3)^2 = 45$ $45 \times 4 + (4)^2 = 196$ $196 \times 5 + (5)^2 = 1005$ $1005 \times 6 + (6)^2 = 6066$ $6066 \times 7 + (7)^2 = 42511$ Hence, 42 is the wrong number
- 12). d)
 7, 13, 25, 49, 97, 194, 385
 7× 2 -1= 13
 13× 2 -1= 25
 25× 2 -1= 49
 49× 2 -1= 97
 97× 2 -1= 193
 193× 2 -1= 385
 Hence, 194 is the wrong number
- 13). c) 10, 15, 24, 35, 54, 75, 100 Hence, 35 is the wrong number

$$2 \times 2 + 2^2 = 8$$

$$3 \times 8 + 3^2 = 33$$

$$4 \times 33 + 4^2 = 148$$

$$5 \times 148 + 5^2 = 765$$

$$6 \times 765 + 6^2 = 4626$$

$$7 \times 4626 + 7^2 = 32431$$

$$49-45=4$$

$$45-43=2$$

Differences between the consecutive numbers

are in Geometric Progression (G.P)

Hence, 44 is the wrong number.

16). A) The series is

$$1527 - (19^2 - 19) = 1185,$$

$$1185 - (15^2 - 15) = 975$$

$$975 - (11^2 - 11) = 865$$
,

$$865 - (7^2 - 7) = 823$$
,

$$823 - (3^2 - 3) = 817$$

There should be 975 in place of 985.

17). D) The series is $110 \times 1 - 4 = 106$,

$$106 \times 2 - 8 = 204, 204 \times 3 - 12 = 600, 600 \times 4$$

$$-16 = 2384, 2384 \times 5 - 20 = 11900$$

There should be 600 in place of 608.

18). A) The series is

$$71 + 19 = 90, 90 + 38 = .128, 128 + 57 = 185,$$

185 + 76 = 261, 261 + 95 = 356 Hence there should be 356 in place of 365.

19). C) The series is

$$8 \times 2.5 - 2.5 = 17.5$$

$$17.5 \times 3.5 + 3.5 = 64.75$$

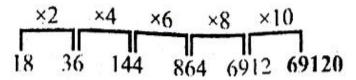
$$64.75 \times 2.5 - 2.5 = 159.375$$
.

$$159.375 \times 3.5 + 3.5 = 561.3125$$
,

$$561.3125 \times 2.5 - 2.5 = 1400.78125, \dots$$

Hence there should be 159.375 in place of 157.375.

20). A) The series is ...



Hence there should be 69120 in place of 691020.

21). D) The series is

$$76 \times 1 - 1^3 = 75$$

$$75 \times 2 - 2^3 = 142$$
,

$$142 \times 3 - 3^3 = 399,$$

$$399 \times 4 - 4^3 = 1532,$$

$$1532 \times 5 - 5^3 = 7535, \dots$$

Hence there should be 1532 in place of 1530.

22). A) The series is

$$21 \times 4 = 84$$
.

$$23 \times 6 = 138$$
,

$$25 \times 8 = 200$$
.

$$27 \times 10 = 270$$
.

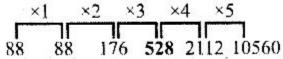
$$29 \times 12 = 348$$

$$31 \times 14 = 434, \dots$$

Hence there should be 200 in place, of 192.

Therefore the wrong number is 192.

23). E) The series is

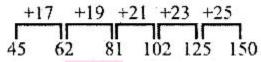


Hence there should be 528 in .place of 530. Therefore the wrong number is 530.

24). C) The series is
$$7^4 - 1 = 2400$$
,
 $6^4 - 1 = 1295$, $5^4 - 1 = 624$, $4^4 - 1 = 255$, $3^4 - 1 = 80$, $2^4 - 1 = 15$, ...

Hence there should be 624 in place of 625. Therefore, the wrong number is 625.

25). E) The series is



Hence there should be 125 in place of 123. Therefore the wrong number is 123.

26). The series is
$$+7^3$$
, $+6^3$, $+5^3$, $+4^3$, $+3^3$, $+2^3$,

Therefore it should be 902 in place of 885.

Answer: d)

27). The series is
$$\div 2 + 4$$
 (repeated)

$$1296 \div 2 + 4 = 652, 652 \div 2 + 4 = 330, 330 \div 2 + 4 = 169, 169 \div 2 + 4 = 88.5, 88.5 \div 2 + 4 = 48.75, ...$$

Therefore it should be 330 in place of 328.

Answer: a)

28). The series is
$$2 \times 12 + 3 = 5$$
, $5 \times 2 + 4 = 14$, $14 \times 32 + 5 = 131$, $131 \times 4 + 6 = 530$, $530 \times 52 + 7 =$

13257,.....

Therefore it should be 14 in place of 15.

Answer: b)

Hence it 'should be 639 in place of 640.

Answer: a)

30). The series is
$$(11)3 - 5 = 1326$$
, $(9)^3 - 15 = 714$, $(7)^3 - 25 = 318$, $(5)^3 - 35 = 90$, $(3)^3 - 45 = -18$, $(1)^3 - 55 = -54$

Hence it should be 1326 in place of 1325.

Answer: e)

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NUMBER SERIES

NATIONALISED BANKS & IBPS SO/MT/SO

Directions (1-5): In the following number series, a wrong number is given. Find out that wrong number.

(Canara Bank PO Exam. 09.02.2003)

- 1. 2 11 38 197 1172 8227 65806 (2) 38 (3) 197(4) 1172
 - (5)8227
- 2. 16 19 21 30 46 71 107 (2) 21
 - (1) 19(3) 30
- (4) 46
- (5)71
- 25 41 68 107 173 3. 7916
 - $(1)\ 107$ (3) 41
- (2) 16(4)68
- (5)25
- 4 2 3.5 7.5 26.25 118.125
- (1) 118.125
- $(2)\ 26.25$
- (3) 3.5(5) 7.5
- (4) 2
- 5. 16 4 2 1.5 1.75 1.875
 - (1) 1.875
- (2) 1.75
- (3) 1.5(5) 4
- (4) 2

Directions (6-10): What will come in place of the question mark (?) in the following number series?

(Syndicate Bank PO Exam. 10.10.2004)

- 3 10 32 100 ? 6.
 - (1) 345
- (2) 460
- (3) 308
- (4) 440
- (5) None of these
 - 534?38
 - (1) 8.5
- (2) 6
- (3) 7.5
- (4) 8
- (5) None of these
- 5 6 ? 57 244
 - (1) 21
- (2) 16
- (3) 17
- (4) 15
- (5) None of these
- 3 10 21 ? 51
 - (1) 34(3) 33
- (2) 32(4) 37
- (5) None of these
- 5 11 ? 55 117
 - (1) 21

10.

- (2) 27(4) 25
- (3) 23
- (5) None of these

Directions (11-15): In each of the following questions a number series is given. After the series a number is given followed by (a), (b), (c), (d) and (e). You have to complete the series starting with

the number given, following the sequence of the original series and answer the questions that follow the series.

(Union Bank of India PO Exam. 27.11.2005)

- **11.** 12 30 120 460 1368 2730
 - 16 (a) (b) (c) What will come in place of (d)?
 - (1) 1384
- (2) 2642
- (3) 2808
- (4) 1988
- (5) None of these
- 12. 154 462 231 693 346.5 1039.5 (e)
 - 276 (a) (b) (c) (d) What will come in place of (e)?
 - (1) 1746
- (2)621
- (3) 1242
- (4)983
- (5) None of these
- 91 13. 1001 7007 35035 105 (e)
 - 14.5 (a) (b) (d) (c) What will come in place of (c)?
 - (1) 21132.5
- (2) 14514.5
- (3) 20020.5
- (4) 13864.5
- (5) None of these
- 14. 582 662 446 574 601 537
 - 204 (a) (b) (c) (d) What will come in place of (d)?
 - (2)68(1) 284
 - (3) 174
- (4) 331
- (5) None of these
- 85 43 44 67.5 137 345
 - 125 (a) (b) (c) (d) (e)
 - What will come in place of (c)?
- (1)86

15.

- (2) 107.5
- (3) 112.5
- (4) 97.5
- (5) None of these

Directions (16-22): What will come in place of the question mark (?) in the following number series?

(Corporation Bank Po Exam. 29.07.2006)

- 16. 1 ? 27 64 125
 - (1) 8
- (2) 4
- (3) 6
- (4)9
- (5) None of these
- 17. 25 16 ? 4 1
 - (1) 3
- (2) 6
- (3) 12
- (4) 18
- (5) None of these 18. 6 36
 - 1960? 240 (1) 19660
 - (2) 3680
 - (3) 36800

14

12

- (4) 19600
- (5) None of these

17

- 13 8 14 21
 - 13 4 ?

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19.

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					3		
	(1) 120		(2) 233				(1) 708 (2) 3534
	(3) 153		(4) 276				(3) 14136 (4) 42405
	` '		(4) 270				• • • • • • • • • • • • • • • • • • • •
	(5) 190						(5) None of these
42.	1331 2197	7 3375	4914	6859	261		Directions (53-57) : What should come in
	12167					nlac	e of question mark (?) in the following number
			(0) (050	,		-	
	(1) 4914		(2) 6859			seri	
	(3) 9261		(4) 2197	7			(Canara Bank PO Exam. 15.03.2009)
	(5) 12167					53.	5 9 18 34 59 95 ?
	Directions	(43-47)· W	Vhat sho	uld come	in		(1) 272 (2) 168
n 1000 0	of the question				111		(3) 116 (4) 148
-	_	m mark (?)) III tile i	onowing			
numbe	er series?						(5) 144
	(Orie:	ntal Bank	of Com	merce		54.	1200 480 192 76.8 30.72 12.288 ?
	PC	Exam. 2	1.12.20	08)			(1) 4.9152 (2) 5.8192
43.	20 24 33			,			(3) 6.7112 (4) 7.6132
1 3.		49 74					
	(1) 133		(2) 147				(5) 8.5172
	(3) 159		(4) 163			55.	963 927 855 747 603 423 ?
	(5) 171		` '				(1) 209 (2) 208
44.	529 841 9)61 136	9 1681	1840 2			(3) 207 (4) 206
TT.		,01 150					
	(1) 2809		(2) 2601				(5) 205
	(3) 3249		(4) 3481	1		56.	841 961 1089 1225 1369 1521 ?
	(5) 2209						(1) 1581 (2) 1681
45 .	16 24 48	3 120 3	360 126	0 3			(3) 1781 (4) 1881
10.		, 120	(2) 4725				· · ·
	(1) 3780		` '				(5) 1981
	(3) 5355		(4) 5040)		57 .	18 20 44 138 560 2810 ?
	(5) 4410						(1) 16818 (2) 16836
46.	8 31 12	2 485	1936 7	7739 ?			(3) 16854 (4) 16872
	(1) 30950		(2) 4643				(5) 16890
	` '		` '				· ·
	(3) 34650		(4) 4285	50			Directions (58-62) : In the following
							, ,
	(5) 38540					nun	iber series only one number is wrong. Find
47.	` '	868 1237	7 1729	2344	5		nber series only one number is wrong. Find
47.	499 622		7 1729		5		nber series only one number is wrong. Find the wrong number.
47.	499 622 (1) 3205		(2) 3082	2	5	out	the wrong number. (UCO Bank PO Exam. 22.03.2009)
47.	499 622 (1) 3205 (3) 2959			2	5		the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011
47.	499 622 (1) 3205 (3) 2959 (5) 2876		(2) 3082 (4) 3462	2 2		out	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201
47.	499 622 (1) 3205 (3) 2959		(2) 3082 (4) 3462	2 2		out	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011
	499 622 (1) 3205 (3) 2959 (5) 2876 Directions	(48-52)	(2) 3082 (4) 3462 : In t	2 2 he follo	wing	out	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201
numbe	499 622 (1) 3205 (3) 2959 (5) 2876 Directions er series only	(48-52) y one nur	(2) 3082 (4) 3462 : In t	2 2 he follo	wing	out 58.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (3) 18 (4) 49 (5) None of these
numbe	499 622 (1) 3205 (3) 2959 (5) 2876 Directions er series only	(48-52) y one nur nber.	(2) 3082 (4) 3462 : In t mber is	he followerong.	wing	out	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (3) 18 (4) 49 (5) None of these 48 72 108 162 243 366
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numbe	(1) 3205 (3) 2959 (5) 2876 Directions er series only e wrong num	(48-52) y one nur iber. IB Agricul Exam. 04.	(2) 3082 (4) 3462 : In t mber is !ture Off .01.2009	he followers. The second of th	wing	out 58.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (3) 18 (4) 49 (5) None of these 48 72 108 162 243 366 (1) 72 (2) 108 (3) 162 (4) 243
numbe	(1) 3205 (3) 2959 (5) 2876 Directions er series only e wrong num	(48-52) y one nur iber. I B Agricul	(2) 3082 (4) 3462 : In t mber is !ture Off .01.2009	he followers. The second of th	wing	out 58.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (3) 18 (4) 49 (5) None of these 48 72 108 162 243 366 (1) 72 (2) 108
numbe	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27	(48-52) y one nur nber. IB Agricul Exam. 04. 256 3125	(2) 3082 (4) 3462 : In t mber is dture Off .01.2009	he followers. The second of th	wing	out 58.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (3) 18 (4) 49 (5) None of these 48 72 108 162 243 366 (1) 72 (2) 108 (3) 162 (4) 243
numbe	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658	(48-52) y one nur iber. IB Agricul Exam. 04. 256 3125	(2) 3082 (4) 3462 : In t mber is dture Off .01.2009 5 4665 (2) 4	he followers. I	wing	out 58.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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
numbe	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27	(48-52) y one nur nber. IB Agricul Exam. 04. 256 3125	(2) 3082 (4) 3462 : In t mber is dture Off .01.2009	he followers. I	wing	out 58.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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
numbe out the	499 622 (1) 3205 (3) 2959 (5) 2876 Directions er series only (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series of the series only	(48-52) y one nurnber. IB Agricul Exam. 04. 256 3125	(2) 3082 (4) 3462 : In t mber is (ture Off .01.2009 5 4665 (2) 4 (4) 3125	he followers. I	wing Find	out 58.	hber series only one number is wrong. Find the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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
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numbe out the	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of to 18000 360 (1) 28.8	(48-52) y one nurnber. IB Agricul Exam. 04. 256 3125 these 00 720	(2) 3082 (4) 3462 : In t mber is dture Off .01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600	he followerong. I	wing Find	out 58. 59.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343
numbe out the	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 1 4 27 (1) 46658 (3) 27 (5) None of to 18000 360 (1) 28.8 (3) 5.76	(48-52) y one nuraber. IB Agricul Exam. 04. 256 3125 these 00 720	(2) 3082 (4) 3462 : In t mber is !ture Off .01.2009 5 4665 (2) 4 (4) 3125	he followerong. I	wing Find	out 58. 59.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of to 18000 360 (1) 28.8 (3) 5.76 (5) None of to 18000 360	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720	(2) 3082 (4) 3462 : In t mber is (ture Off .01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.	he followering. I	wing Find	out 58. 59.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343
numbe out the	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series of the series only er series on er series only er series on er series only er series only er series on er serie	(48-52) y one nuraber. IB Agricul Exam. 04. 256 3125 these 00 720	(2) 3082 (4) 3462 : In t mber is !ture Off .01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.3	he followerong. I	wing Find	out 58. 59. 60.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the 18000 360 (1) 28.8 (3) 5.76 (5) None of the 12 237 (1) 237	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527	(2) 3082 (4) 3462 : In t mber is (ture Off .01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.3 7 604 (2) 406	he followering. I	wing Find	out 58. 59.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series of the series only er series on er series only er series on er series only er series only er series on er serie	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527	(2) 3082 (4) 3462 : In t mber is !ture Off .01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.3	he followering. I	wing Find	out 58. 59. 60.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN 1 1 4 27 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(48-52) y one nurnber. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527	(2) 3082 (4) 3462 : In t mber is (ture Off .01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.3 7 604 (2) 406	he followering. I	wing Find	out 58. 59. 60.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN 1 4 27 (1) 46658 (3) 27 (5) None of (1) 28.8 (3) 5.76 (5) None of (1) 237 (1) 237 (1) 237 (3) 527 (5) None of (1) 27 (1) 287 (2) 10 237 (3) 527 (5) None of (1) 287 (6) None of (1) 287 (7) 287 (8) 527 (9) None of (1) 287 (1) 237 (1) 237 (2) None of (1) 287	(48-52) y one nuraber. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527	(2) 3082 (4) 3462 : In tember is dture Official (2) 4 (4) 3125 (2) 3600 (4) 142.2 (2) 3600 (4) 142.3 (2) 406 (4) 657	he follower for the fol	wing Find	out 58. 59. 60.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN 1) 4 27 (1) 46658 (3) 27 (5) None of the 12 237 (1) 28.8 (3) 5.76 (5) None of the 12 237 (1) 237 (3) 527 (5) None of the 13 35 22	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527	(2) 3082 (4) 3462 : In t mber is dture Off .01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.1 7 604 (2) 406 (4) 657 4660	he follow wrong. I ficer 9) 8 5 28.8 10 2 657	wing Find	out 58. 59. 60.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102 (5) None of these
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series only of the series on the series of the serie	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527	(2) 3082 (4) 3462 : In t mber is !ture Off. 01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.1 7 604 (2) 406 (4) 657 4660 (2) 4660	he follow wrong. I ficer 9) 8 5 28.8 10 2 657	wing Find	out 58. 59. 60.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102 (5) None of these Directions (63-67): What should come in
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN 1) 4 27 (1) 46658 (3) 27 (5) None of the 12 237 (1) 28.8 (3) 5.76 (5) None of the 12 237 (1) 237 (3) 527 (5) None of the 13 35 22	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527	(2) 3082 (4) 3462 : In t mber is dture Off .01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.1 7 604 (2) 406 (4) 657 4660	he follow wrong. I ficer 9) 8 5 28.8 10 2 657	wing Find	out 58. 59. 60.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102 (5) None of these
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series of the series only er series on er series only er series on er seri	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527 these 6 1160	(2) 3082 (4) 3462 : In t mber is !ture Off. 01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.1 7 604 (2) 406 (4) 657 4660 (2) 4660	he follow wrong. I ficer 9) 8 5 28.8 10 2 657	wing Find	out58.59.60.61.62.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102 (5) None of these Directions (63-67): What should come in e of the question mark (?) in the following
numbe out the 48. 49. 50.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series of the series only er series on er series only er series on er seri	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527 these 6 1160	(2) 3082 (4) 3462 : In t mber is (ture Off. 01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.3 (2) 406 (4) 657 4660 (2) 4660 (4) 1160	he follower ficer 9) 8 28.8 12 657	wing Find	out58.59.60.61.62.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102 (5) None of these Directions (63-67): What should come in the of the question mark (?) in the following other series ?
numbe out the 48.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series of the series only er series on er series only er series on er seri	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527 these 6 1160	(2) 3082 (4) 3462 : In t mber is (ture Off. 01.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.3 (2) 406 (4) 657 4660 (2) 4660 (4) 1160	he follower ficer 9) 8 28.8 12 657	wing Find	out58.59.60.61.62.	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102 (5) None of these Directions (63-67): What should come in the of the question mark (?) in the following other series ? (Indian Overseas Bank
numbe out the 48. 49. 50.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series of the series only er series on er series only er series on er seri	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527 these 6 1160 these 708 353	(2) 3082 (4) 3462 : In t mber is (101.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.3 (2) 406 (4) 657 4660 (2) 4660 (4) 1160	he follower ficer 9) 8 28.8 28.8 2 657 13998	wing Find 5.76	out58.59.60.61.62.place num	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102 (5) None of these Directions (63-67): What should come in the of the question mark (?) in the following other series ? (Indian Overseas Bank PO Exam. 05.04.2009)
numbe out the 48. 49. 50.	(1) 3205 (3) 2959 (5) 2876 Directions er series only wrong num (PN) 1 4 27 (1) 46658 (3) 27 (5) None of the series of the series only er series on er series only er series on er seri	(48-52) y one number. IB Agricul Exam. 04. 256 3125 these 00 720 these 406 527 these 6 1160 these 708 353	(2) 3082 (4) 3462 : In t mber is (101.2009 5 4665 (2) 4 (4) 3125 142.2 (2) 3600 (4) 142.3 (2) 406 (4) 657 4660 (2) 4660 (4) 1160	he follower ficer 9) 8 28.8 28.8 2 657 13998	wing Find 5.76	out58.59.60.61.62.place num	the wrong number. (UCO Bank PO Exam. 22.03.2009) 4 6 18 49 201 1011 (1) 1011 (2) 201 (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 8 27 64 125 218 343 (1) 27 (2) 218 (3) 125 (4) 343 (5) None of these 19 68 102 129 145 154 (1) 154 (2) 129 (3) 145 (4) 102 (5) None of these Directions (63-67): What should come in the of the question mark (?) in the following other series ? (Indian Overseas Bank

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	5		
	(Indian Bank Rural Marketing		(1) 149 (2) 146
	Officer Exam. 03.01.2010)		(3) 142 (4) 152
85.	150 290 560 1120 2140 4230	0.5	(5) None of these
	8400 (1) 2140 (2) 560	96.	7 4 5 9 ? 52.5 160.5 (1) 32 (2) 16
	(3) 1120 (2) 300 (4) 4230		(3) 14 (4) 20
	(5) 290		(5) None of these
86.	10 8 13 35 135 671 4007	97.	6 42 ? 1260 5040 15120 30240
	(1) 8 (2) 671		(1) 546 (2) 424
	(3) 135 (4) 13		(3) 252 (4) 328
	(5) 35		(5) None of these
87.	80 42 24 13.5 8.75 6.375 5.1875	98.	4 10 40 190 940 ? 23440
	(1) 8.75 (2) 13.5		(1) 4690 (2) 2930
	(3) 24 (4) 6.375		(3) 5140 (4) 3680
/	(5) 42	00	(5) None of these
88.	125 75 45 25 16.2 9.72 5.832	99.	2 9 30 ? 436 2195 13182
	(1) 25 (2) 45 (2) 0.72 (4) 16.2		(1) 216 (2) 105 (2) 178 (4) 224
	(3) 9.72 (5) 75		(3) 178 (4) 324 (5) None of these
89.	29 37 21 43 13 53 5		Directions (100-104) : In each question
05.	(1) 37 (2) 53	helo	w, a number series is given in which one
	(3) 13 (4) 21		ber is wrong . Find out the wrong number.
	(5) 43		(Allahabad Bank PO Exam. 21.02.2010)
	Directions (90-9 4) : I n the following	100	. 484 240 120 57 26.5 11.25 3.625
numb	er series only one number is wrong. Find		(1) 240 (2) 120
out th	ie wrong number.		(3) 57 (4) 26.5
	(Indian Bank PO Exam. 17.10.2010)		(5) 11.25
90.	13 25 40 57 79 103 130	101	
	(1) 25 (3) 57 (2) 40 (4) 79		(1) 5 (2) 13 (3) 43 (4) 176
	(5) None of these		(5) 891
91.	850 600 550 500 475 462.5	102	
	456.25		(1) 7 (2) 16
	(1) 600 (2) 550		(3) 41 (4) 90
	(3) 500 (4) 462.5		(5) 154
	(5) None of these	103	
92.	2 10 18 54 162 486 1458		(1) 7 (2) 16
	(1) 18 (2) 54		(3) 57 (4) 244
	(3) 162 (4) 10 (5) None of these	104	(5) 1245 • 4 2.5 3.5 6.5 15.5 41.25 126.75
93.	8 12 24 46 72 108 152	104	(1) 2.5 (2) 3.5
J 0.	(1) 12 (2) 24		(3) 6.5 (4) 15.5
	(3) 46 (4) 72		(5) 41.25
	(5) None of these		Directions (105-109) : What should come
94.	142 119 100 83 65 59 52	in p	lace of the question mark (?) in the following
	(1) 65 (2) 100	num	nber series.
	(3) 59 (4) 119		(Corporation Bank PO
	(5) None of these	105	Exam. 09.05.2010)
m 1000	Directions (95-99) : What should come in of the question mark in the following number	105	
series	of the question mark in the following number		(1) 126 (2) 116 (3) 130 (4) 160
301108	(Bank Of India Banking		(5) None of these
	Officer Exam. 24.01.2010)	106	· ·
		- 1	(1) 353 (2) 353.5
95.	5 54 90 115 131 140 ?		(3) 352.5 (4) 352
	Deile Weit Community 11	T	(5) None of these
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107.
      620
            632
                   608
                         644
                               596?
                                                        (3) 486
                                                                             (4) 1657
       (1)536
                           (2) 556
                                                        (5) None of these
       (3)656
                           (4)646
                                                 119.
                                                        656 432
                                                                           264 236
                                                                    320
                                                                                       (5)
       (5) None of these
                                                        (1) 222
                                                                             (2) 229
108.
                                                        (3) 232
       15 25
                 40
                     65 ? 195
                                                                             (4) 223
                                                        (5) None of these
       (1) 115
                           (2) 90
      (3) 105
                           (4) 120
                                                        Directions (120-124): What will come in
                                                 place of the question mark (?) in the following
      (5) None of these
109.
      120 320 ? 2070 5195
                                     13007.5
                                                 number series?
                                                                 (Central Bank Of India
      (1) 800
                           (2)920
      (3)850
                           (4)900
                                                                 PO Exam. 25.07.2010)
       (5) None of these
                                                 120.
                                                        7
                                                            20
                                                                 46
                                                                      98
                                                                          202
                                                                                 (5)
                                                        (1) 420
                                                                             (2)410
       Directions (110-114): In the following
                                                        (3) 310
number series only one number is wrong. Find
                                                                             (4) 320
                                                        (5) None of these
out the wrong number.
                                                        210 209 213 186 202 (?)
               (Punjab & Sind Bank PO
                                                 121.
                 Exam. 16.05.2010)
                                                        (1) 138
                                                                             (2)77
                                                        (3) 177
110.
       32
                     46
                          62
                                87 123
                                                                             (4) 327
            34
                                                        (5) None of these
       (1) 34
                           (2) 37
       (3)62
                           (4)87
                                                 122.
                                                        27
                                                             38
                                                                  71 126
                                                                             203
                                                                                  (5)
       (5)46
                                                        (1) 212
                                                                             (2)\ 202
111.
          18
               40
                    106
                          183 282
                                      403
                                                        (3) 301
                                                                             (4) 312
       7
       (1) 18
                           (2) 282
                                                        (5) None of these
                                                        435 354 282
       (3) 40
                           (4) 106
                                                 123.
                                                                          219 165
                                                                                      (5)
                                                        (1) 103
       (5) 183
                                                                             (2) 112
112.
      850 843
                   829
                         808
                               788
                                     745
                                           703
                                                        (3) 120
                                                                             (4) 130
                           (2)829
                                                        (5) None of these
       (1)843
       (3)808
                           (4)788
                                                 124.
                                                        4
                                                            200 369
                                                                       513
                                                                             634 (?)
       (5)745
                                                                             (2)715
                                                        (1)788
       33
                  465
                         537
                               573
                                      590
                                            600
                                                        (3)734
                                                                             (4)755
113.
            321
       (1) 321
                           (2) 465
                                                        (5) None of these
                                                        Directions (125-129): What will come in
      (3)573
                           (4) 537
                                                  place of the question mark (?) in the following
       (5)590
                                                 number series?
114.
      37 47
                52
                     67
                          87
                             112
                                     142
      (1)47
                           (2) 52
                                                         (Syndicate Bank PO Exam. 29.08.2010)
       (3)67
                           (4)87
                                                 125.
                                                        495 485
                                                                   465 425 345 ?
      (5) 112
                                                        (1) 195
                                                                             (2) 165
       Directions (115-119): What will come in
                                                        (3) 185
                                                                             (4) 175
place of the question mark (?) in the following
                                                        (5) None of these
number series?
                                                  126.
                                                        16 22
                                                                  33 49
                                                                            70 ?
       (Bank Of Baroda PO Exam. 30.05.2010)
                                                        (1)95
                                                                             (2)96
115.
      13
          16 22 33
                           51 (?)
                                                        (3)85
                                                                             (4)91
       (1)89
                           (2)78
                                                        (5) None of these
       (3) 102
                           (4)69
                                                 127.
                                                        32
                                                            36
                                                                 52
                                                                      88
                                                                            152 ?
                                                        (1) 266
      (5) None of these
                                                                             (2) 232
116.
      39 52
               78
                           169 (?)
                                                         (3) 242
                                                                             (4) 256
                    117
       (1)246
                           (2) 182
                                                        (5) None of theses
      (3) 234
                           (4) 256
                                                 128.
                                                        17
                                                            289 425 493
                                                                               527?
      (5) None of these
                                                         (1) 534
                                                                             (2) 542
117.
      62 87
                187 412
                            812
                                  (5)
                                                         (3) 544
                                                                             (4) 594
       (1) 1012
                           (2) 1437
                                                        (5) None of these
      (3) 1337
                           (4) 1457
                                                 129.
                                                                                 ?
                                                            27
                                                                  55
                                                                       97
                                                        13
                                                                            153
                                                                             (2)265
       (5) None of these
                                                         (1) 243
              24 105
                           361 (?)
                                                         (3) 215
                                                                             (4) 223
118.
      7
          8
       (1)986
                           (2)617
                                                        (5) None of these
```

Directions (130-134): What should come (1)716(2)788in place of the question mark (?) in the following (3) 348(4) 689number series? (5)780(Punjab National Bank Specialist 4444 2224 1114 141. 556 281.5 142.75 Officer Exam. 24.10.2010) 73.375 97.5 ? 184.275 267.19875 130. 50 60 75 (1) 2224 (2) 281.5 (1) 120.50 (2) 130.50 (3) 1114(4) 556 (3) 131.625 (4) 124.25(5) 142.75 38.5 42 (5) None of these 142. 4.5 16 25 43.5 33 131. 12 15 36 480 2415 14508 (1) 33(2) 38.5 (1) 115(3)42(4) 43.5 $(2)\ 109$ (3) 117(4) 121 (5)25143. 6 49 305 1545 6196 18603 37218 (5) None of these 132. 1 2 6 21 88 445 ? (1) 6196(2)49(1) 2230 (3) 305(4) 1545 (2) 2676(3) 2580(4) 2670(5) 18603 (5) None of these 144. 68 207.5 8 5 6.5 11 26 133. 20 21 25 34 50? 111 (1)68(2) 6.5(1)70(2)65(3) 11(4) 26(3)60 $(5)\ 207.5$ (4)75**Directions (145-149)**: What should come (5) None of these 134. 600 125 30 ? 7.2 6.44 6.288 in place of the question mark (?) in the following number series? (1) 6(2) 10(3) 15(4) 12(PNB Management Trainee (5) None of these Exam. 28.11.2010) **Directions (135-139)**: What will come in 145. 586 587 586 581 570 ? 522 the place of the question mark (?) in the following (1) 545(2) 543 number series? (3) 551(4) 557(Bank Of India PO Exam. 31.10.2010) (5) None of these 146. 64 54 69 49 74 44 ? 11 15 31 67 131 (5)(1)89(2)69(1) 233(2) 221 (3) 243(4) 231(3) 59(4)99(5) None of these (5) None of these 4000 2008 1012 ? 265 140.5 78.25 136. 483 471 435 375 291 (5)147. (2) 514 (1) 183(2) 184(1) 506(3) 185(4) 186 (3) 520 (4) 512(5) None of these (5) None of these 148. ? 4725 7 13 25 45 5 15 75 (5)5 51975 137. (2)450(1) 67(2)75(1) 520(4) 300 (3)65(4) 55(3) 525 (5) None of these (5) None of these 11 25 53 109 (?) 149. 52 26 26 39 78 ? 585 138. (1) 221 (2) 234(1) 195(2) 156(3)234(4)117(3) 212 (4) 222 (5) None of these (5) None of these 139. 15 21 33 51 Directions (150-154) .- What will come in 75 (5) (1) 113place of question mark (?) in the following number (2) 103(3) 105(4) 115series? (5) None of these (Bank Of Maharashtra **Directions** (140-144): In the following Exam. 19.12.2010) number series only one number is wrong. Find 150. 10 14 25 55 140 (?) (1) 386(2)398out the **wrong** number. (United Bank Of India (3) 388 (4) 396

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151.

788

(5) None of these

119 131 155

191

239

(5)

PO Exam. 14.11.2010)

689 716 780

140. 5

348 564

	8	3	
	(1) 289 (2) 290		(5) None of these
	(3) 279 (4) 280	163.	5 12 36 123 ? 2555 15342
	(5) None of these		(1) 508 (2) 381
152.	11 57 149 333 701 (?)		(3) 504 (4) 635
	(1) 1447 (2) 1347		(5) None of these
	(3) 1368 (4) 1437	164.	8 11 17 ? 65 165.5 498.5
	(5) None of these		(1) 27.5 (2) 32
153.	697 553 453 389 353 (?)		(3) 28 (4) 30.5
	(1) 328 (2) 337		(5) None of these
	(3) 362 (4) 338		Directions (165-169) : What will come in
	(5) None of these	place	of the question mark (?) in the following
154.	336 224 168 140 126 (?)	-	per series?
	(1) 119 (2) 118	mann	(Union Bank Of India PO
	(3) 116 (4) 121		Exam. 09.01.2001)
	(F) DI C.1	165.	
	Directions (155-159): What will come in	100.	(1) 654 (2) 640
1 000	of the question mark (?) in the following		
	per series ?		
mumi		166.	(5) None of these 7 11 23 51 103 (?)
	(Oriental Bank Of Commerce PO	100.	` '
	Exam. 26.12.2010 (1st Sitting)		(1) 186 (2) 188
155.	9 15 27 51 99 ?		(3) 185 (4) 187
	(1) 165 (2) 195		(5) None of these
	(3) 180 (4) 190	167.	18 27 49 84 132 (?)
	(5) None of these		(1) 190 (2) 183
156.	13 21 36 58 87 ?		(3) 180 (4) 193
	(1) 122 (2) 128		(5) None of these
	(3) 133 (4) 123	168.	33 43 65 99 145 (?)
	(5) None of these		(1) 201 (2) 203
157.	7 9 19 45 95 ?		(3) 205 (4) 211
	(1) 150 (2) 160		(5) None of these
	(3) 145 (4) 177	169.	655 439 314 250 223 (?)
	(5) None of these		(1) 205 (2) 210
158.	14 15 23 32 96 ?		(3) 195 (4) 190
	(1) 121 (2) 124		(5) None of these
	(3) 152 (4) 111		Directions (170-174): What will come in
	(5) None of these	place	of the question mark (?) in the following
159.	20 24 36 56 84 ?	numt	per series?
	(1) 116 (2) 124		(Corporation Bank PO
	(3) 120 (4) 128		Exam. 16.01.2011)
	(5) None of these	170.	15 21 39 77 143 (?)
	Directions (160-164): What should come		(1) 243 (2) 240
in pla	ace of the question mark (?) In the following		(3) 253 (4) 245
numb	per series ?		(5) None of these
	(Indian Bank PO Exam. 02.01.2011)	171.	33 39 57 87 129 (?)
160.	3 732 1244 1587 1803 1928 ?		(1) 183 (2) 177
	(1) 2144 (2) 1992		(3) 189 (4) 199
	(3) 1955 (4) 2053		(5) None of these
	(5) None of these	172.	15 19 83 119 631 (?)
161.	16 24 ? 210 945 5197.5 33783.75		(1) 731 (2) 693
	(1) 40 (2) 36		(3) 712 (4) 683
	(3) 58 (4) 60		(5) None of these
	(5) None of these	173.	19 26 40 68 124 (?)
162.	45030 9000 1795 355 68 ? 1.32		(1) 246 (2) 238
102.	(1) 11.6 (2) 12.2		(3) 236 (4) 256
	(3) 10.4 (4) 9.8		(5) None of these

```
174.
      43
                                (?)
                                                        Directions (185-189): What will come in
           69
                58
                     84
                          73
                                                 place of the question mark (?) in the following
       (1)62
                            (2)98
                            (4) 63
       (3) 109
                                                 number series.
                                                         (Bank Of Baroda PO Exam.13.03.2011)
       (5) None of these
                                                  185. 1 7 49 343 (?)
       Directions (175-179): What should come
in place of the question mark (?) in the following
                                                         (1) 16807
                                                                              (2)\ 1227
                                                         (3)\ 2058
                                                                              (4) 2401
number series?
               (Punjab & Sind Bank PO
                                                         (5) None of these
                 Exam. 23.01.2011)
                                                  186.
                                                         13
                                                             20
                                                                  39 78
                                                                            145 (?)
175.
                16 19 17 20 ?
                                                         (1) 234
                                                                             (2) 244
       15 18
       (1) 23
                            (2) 22
                                                         (3) 236
                                                                             (4) 248
      (3) 16
                            (4) 18
                                                         (5) None of these
      (5) None of these
                                                  187.
                                                         12 35 81 173
                                                                            357
                                                                                 (5)
                                                        (1)725
176.
       1050 420 168 67.2 26.88 10.752
                                                                             (2)715
      (1) 4.3008
                            (2) 6.5038
                                                         (3)726
                                                                             (4)736
       (3) 4.4015
                            (4) 5.6002
                                                         (5) None of these
                                                            100
      (5) None of these
                                                  188.
                                                                  297
                                                         3
                                                                         594
                                                                              991
177.
      0 6 24 60
                     120 210 ?
                                                         (1) 1489
                                                                             (2) 1479
      (1) 343
                                                         (3) 1478
                                                                             (4) 1498
                            (2) 280
       (3) 335
                            (4) 295
                                                         (5) None of these
       (5) None of these
                                                  189.
                                                         112 119 140
                                                                           175 224
178.
       32 49
                83
                     151
                            287
                                  559?
                                                         (1)\ 277
                                                                             (2) 276
       (1) 1118
                            (2)979
                                                         (3) 287
                                                                             (4) 266
       (3) 1103
                            (4) 1120
                                                         (5) None of these
       (5) None of these
                                                        Directions (190-194): What will come in
179.
      462 552
                                                  place of the question mark (?) in the following
                   650
                         756 870
                                     992
                                                  number series?
       (1) 1040
                            (2) 1122
                                                         (Allahabad Bank PO Exam.17.04.2011)
       (3) 1132
                            (4) 1050
       (5) None of these
                                                  190.
                                                        958 833 733 658 608 (?)
                                                        (1) 577
      Directions (180-184): What will come in
                                                                             (2)583
place of the question mark (?) in the following
                                                         (3) 567
                                                                             (4) 573
number series?
                                                         (5) None of these
                                                                 18 51
                                                                            200 (?)
          (UCO Bank PO Exam. 30.01.2011)
                                                  191.
                                                         11
                                                            10
                                                                             (2)\ 1025
           39 63 102 158 (?)
                                                         (1)885
180.
      28
       (1) 232
                            (2) 242
                                                         (3)865
                                                                             (4)995
       (3) 233
                            (4)244
                                                         (5) None of these
       (5) None of these
                                                  192.
                                                         25 48
                                                                 94
                                                                      186 370 (?)
                                                        (1)738
181.
       7 16 141 190 919
                                                                             (2)744
                              (5)
       (1)\ 1029
                            (2) 1019
                                                         (3)746
                                                                              (4)724
       (3) 1020
                            (4) 1030
                                                         (5) None of these
       (5) None of these
                                                  193.
                                                         14 24
                                                                  43 71
                                                                             108 (?)
182.
      12 17 32 57 92
                                                         (1) 194
                                                                             (2) 154
                           (5)
                                                         (3) 145
       (1) 198
                            (2) 195
                                                                             (4) 155
       (3) 137
                            (4) 205
                                                         (5) None of these
                                                         144 173
                                                  194.
                                                                     140 169 136
       (5) None of these
                                                                                       (?)
183.
       19 25 45 87 159 (?)
                                                         (1) 157
                                                                              (2) 148
       (1)254
                           (2)279
                                                         (3) 164
                                                                              (4) 132
       (3)284
                            (4)269
                                                        (5) None of these
      (5) None of these
                                                        Directions (195-199): What will come in
184.
      83 124 206 370
                             698
                                                 place of the question mark (?) in the following
       (1) 1344
                            (2) 1324
                                                 number series?
      (3) 1364
                            (4) 1334
                                                               (Indian Overseas Bank PO
                                                                   Exam. 22.05.2011)
       (5) None of these
                                                  195.
                                                        8 10 18 44 124 (?)
                                                         (1) 344
                                                                             (2) 366
```

1	\mathbf{n}	

		10	
	(3) 354 (4) 356		(3) 4621 (4) 5135
	(5) None of these		(5) 5506
196.	13 25 61 121 205 (?)	206.	
	(1) 323 (2) 326		(1) 7 (2) 26
	(3) 324 (4) 313 (5) None of these		(3) 69 (4) 37
197.	656 352 200 124 86 (?)	207.	(5) 9 1 3 10 36 152 760 4632
191.	(1) 67 (2) 59	201.	(1) 3 (2) 36
	(3) 62 (4) 57		(3) 4632 (4) 760
	(5) None of these		(5) 152
198.	454 472 445 463 436 (?)	208.	
	(1) 436 (2) 456		(1) 4 (2) 13
	(3) 454 (4) 434		(3) 105 (4) 445
400	(5) None of these	200	(5) 229
199.	12 18 36 102 360 (?) (1) 1364 (2) 1386	209.	
	(3) 1384 (4) 1376		(1) 1 (2) 2 (3) 6 (4) 157.5
	(5) None of these		(5) 45
	Directions (200-204) : In the following		Directions (210-215): What will come in
numb	per series only one number is wrong. Find		e of the question mark (?) in the following
	ne wrong number.		ber series ?
	(IBPS Bank PO/MT CWE		(IDBI Bank Officer Exam. 16.09.2012)
7	Exam. 18.09.2011)	210.	
200.	7 12 40 222 1742 17390 208608	3	(1) 1179 (2) 1173
	(1) 222 (2) 12		(3) 1167 (4) 1169 (5) None of these
	(3)40 (4) 1742 (5) 208608	211.	, ,
201.	6 91 584 2935 11756 35277		(1) 321 (2) 319
	70558		(3) 317 (4) 323
	(1) 6 (2) 70558		(5) None of these
	(3) 584 (4) 2935	212.	
	(5) 35277	_	(1) 618.2 (2) 623.2
202.	9050 5675 3478 2147 1418 107	1	(3) 624.2 (4) 616.6
	950 (1) 950 (2) 1418	213.	(5) None of these 36 154 232 278 300 ?
	(3) 5675 (4) 2147	210.	(1) 304 (2) 313
	(5) 1077		(3) 308 (4) 307
203.	1 4 25 256 3125 46656	5	(5) None of these
	823543	214.	
	(1) 4 (2) 823543		(1) 768 (2) 748
	(3) 46656 (4) 25		(3) 764 (4) 742
204.	(5) 256 8424 4212 2106 1051 526.5 263.25	5 215 .	(5) None of these 224 576 752 840 884 ?
2 0 1 .	131.625	, 410.	(1) 960 (2) 890
	(1) 526.5 (2) 1051		(3) 906 (4) 908
	(3) 4212 (4) 8424		(5) None of these
	(5) 263.25		Directions (216-220): What should come
	Directions (205-209): In each of these	_	lace of the question mark (?) in the following
	ions a number series is given. In each series		
•	one number is wrong. Find out the wrong	g	(IBPS RRBs Office Assistant CWE
numb	(IBPS Bank PO/MT CWE 17.06.2012)	216.	Exam. 09.09.2012) 5 6 16 57 ? 1245
205	5531 5506 5425 5304 5135 4910		(1) 244 (2) 148
2 U5.	111 0.40 0001 0100 1910		(3) 296 (4) 271
205.	4621		(3) 290 (4) 271
205.	4621 (1) 5531 (2) 5425		(5) None of these
203.		217.	(5) None of these 12 ? 168 504 1260 2520

	(1) 96	(2) 59
	(3) 61	(4) 48
	(5) None of these	
218.	4 9 29 ? 599	3599
	(1) 117	(2) 347
	(3) 258	(4)174
	(5) None of these	
219.	177 170 159 146	5 ? 110
	(1) 132	(2) 106
	(3) 129	(4) 127
	(5) None of these	
220.	2 3 11 38 102 ?	
	(1) 402	(2) 182
	(3) 227	(4) 168
	(5) None of these	

Directions (221-225): What will come in place of the question mark (?) in the following number series ?

(Indian Overseas Bank PO Online Exam. 01.09.2013)

	Onli	ne Ex	am. U	1.09.2	2013)		
221.	21 10.5	? 1	15.75	31.5	78	3.75	
	(1) 10.5		(2)	11.5			
	(3) 12.5			10.2			
	(5) None of	these	, ,				
222 .	6 19 58		214	331			
	(1) 113		(2)	123			
	(3) 133		٠,	143			
	(5) None of	these	`				
223.	? 16 28	58	114	204			
	(1) 7		(2)	9			
	(3) 14			6			
	(5) 10						
224.	13. 76	4.91	17.21	20.6	6 ?	31	.01
	(1) 25.66		(2)	24.3	6		
	(3) 24.26		(4)	25.2	6		
	(5) 25.36						
225.	15 ? 24	33	97	122			
	(1) 20		(2)	19			
	(3) 17		(4)	18			
	(5) 16						
	Directions	(226	-230)	: In	each	of	the

Directions (226-230): In each of the following number series, a number is **wrong.** Find out that wrong number.

(Corporation Bank Specialist Officer (Marketing) Exam 22.12.2014)

226.	2 6	15	30	45	43.5	22.5	
	(1) 6			(2	2) 30		
	(3)45			(4	4) 15		
	(5)43	.5					
227.	950	661	436	269	146	65 16	
	(1) 43	6		(2	2) 65		
	(3) 26	9		(4	4) 661		
	(5) 14	6					
228.	6.5	11.8	22.4	4 :	38.3	59.5	87.3
	117.8						

(1) 22.4(2) 59.5 (3) 11.8(4) 38.3(5)87.3229. 1 2 9 23 69 186 (1) 2(2)9(3) 23(4) 4(5)69230. 250 239 216 181 136 75 4 (1) 239(2) 181(3)75(4)216(5) 136

SBI PO EXAMS

Directions (1-5): One number is wrong in each of the number series given in each of the following questions. You have to identify that number and assuming that a new series starts with that number following the same logic as in the given series, which of the numbers given in (1), (2), (3), (4) and (5) given below each series will be the **third** number in the new series?

(SBI Associate Banks PO Exam. 14.02.1999)

1.	3 5 12 38 154 914 4634
	(1) 1636 (2) 1222
	(3) 1834 (4) 3312
	(5) 1488
2.	3 4 10 34 136 685 4116
	(1) 22 (2) 276
	(3) 72 (4) 1374
	(5) 12
3.	214 18 162 62 143 90 106
	(1) 34 (2) 110
	(3) 10 (4) 91
	(5)38
4.	160 80 120 180 1050 4725
	25987.5
	(1) 60 (2) 90
	(3) 3564 (4) 787.5
	(5) 135
5.	2 3 7 13 25 47 78

Directions (6-8): In each of the following questions, a number series is given. After the series, below it, a number alongwith (a), (b), (c), (d) and (e) is given. You have to complete the series following the same sequence as that of the given series. Then answer the question that follows.

(SBI Associate Banks PO Exam. 16.07.2000)

(2) 13

(4) 18

6. 2 3 10 29 172 885 1 (a) (b) (c) (d) (e) What will come in place of (b) ?

(1) 11

(3) 15

(1) 11	(2) 7
(3) 9	(4) 8
(5) None of these	` '

(5) None of these

7. 36 136 690 5 10 2 (b) (a) (c) (d) (e) What will come in place of (e)? (1) 310(2) 330 (4)64(3) 110(5) None of these

8. 8 4 6 15 52.5 236.25 4 (a) (b) (c) (d) (e) Which of the following will come i

Which of the following will come in place of (d)?

 (1) 36.25
 (2) 33.25

 (3) 26.75
 (4) 32.75

(5) None of these

Directions (9-10): In each of the following questions, a number series is established if the positions of two out of the five marked numbers are in te rchange d. The posit ion of the first unmarked number remains the same and it is the beginning of the series. The earlier of the two marked numbers whose positions are interchanged is the answer. For example, if an interchange of number marked '1' and the number marked '4' is required to establish the series, your answer is T. If it is not necessary to interchange the position of the numbers to establish the series, give 5 as your answer. Remember that when the series is established, the numbers change from left to right (i.e. from the unmarked number to the last marked number) in a specific order.

(SBI Banks PO Exam. 20.08.2000)

9. 40 14 60 24 80 19 (1) (2) (3) (4) (5)

10. 120 15 105 21.875 87.5 17.5 (1) (2) (3) (4) (5)

Directions (11-15): In each of the following number-series only one number is **wrong.** If the wrong number is corrected, the series gets established following a certain logic. Below the series a number is given followed by (a), (b), (c), (d), (e) and (f). You have to complete the series following the same logic as in the given series after correcting the **wrong** number, now answer the following questions giving the correct values for the letter in the questions.

(SBI Banks PO Exam. 11.02.2001)

11. 1434 2 3 2 15 76 254 3 (a) (b) (c) (d) (e) What will come in place of (c)? (1) 18(2) 22(3)24(4) 21(5) None of these 12. 2 8 33 148 740 4626

```
2 (a) (b) (c) (d) (e) (f)
What will come in place of (d) ?
(1) 156 (2) 164
(3) 168 (4) 152
(5) None of these
```

13. 2 4.5 11 30 93 312 1136 1 (a) (b) (c) (d) (e) (i) What will come in place of (b) ? (1) 6 (2) 81

(1) 6 (2) 81 (3) 16.75 (4) 18.75

(5) None of these

14 18 338 46 82 176 (a) (b) (c) (d) (e) (i) What will come in place of (e)? (1) 238(2) 338 (3) 218(4) 318

(5) None of these

7 21 85 15. 3 11 43 4 (a) (b) (c) (d) (e) What will come in place of (f)? (1) 275(2) 279(3) 277(4) 273(5) None of these

Directions (16-20): Find out the wrong number in the following given sequence.

(SBI Associate Banks PO Exam. 21.07.2002

 7
 4
 6
 9
 20
 52.5
 160.5

 (1) 6
 (2) 4

 (3) 20
 (4) 9

 (5) 52.5

17. 4 6 12 30 75 315 1260 (1) 315 (2) 75 (3) 12 (4) 6 (5) 30

18. 3 4 13 38 87 166 289 (1) 38 (2) 13 (3) 87 (4) 166 (5) 4

19. 4 5 9 29 111 556 (1) 5 (2) 9

(3) 29(5) 556

20. 2 6 16 38 84 176 368

 (1) 6
 (2) 16

 (3) 38
 (4) 84

 (5) 176

Directions (21-26): In each of the following number series, a **wrong** number is given. Find out the **wrong** number.

(SBI Banks PO Exam. 18.05.2003)

(4)111

3325

21. 2 3 6 18 109 194 209952 (1) 3 (2) 6 (3) 18 (4) 109 (5) 1944

22. 1 3 6 11 20 39 70

	(1) 3	3				(2)	39			
	(3) 1	l 1				(4)	20			
	(5) 6	5								
23.	2 13	3	27	1	13	56	1 3	369	235	8
	(1) 1	13				(2) 27	,		
	(3) 1	13				(4) 56	1		
	(5) 3									
24.	50 5	51	47	56	5 4	12	65	29		
	(1) 5	51				(2)	47			
	(3) 5						42			
	(5) 6	55				` ,				
25.			23	99	47	9 28	381 2	0159		
	(1) 9)				(2)	23			
	(3) 9	99				(4)	479			
	(5) 2	288	l							
26.	2	4	5	8	13	21	34	ŀ		
	(1) 4	ļ.				(2)	5			
	(3) 8	3				(4)	13			
	(5) 2	21								
	Dire	otio	one l	27-3	211 .	In e	ach o	fthef	011011	rit

Directions (27-31): In each of the following questions a number series is given. After the series a number is given followed by (a), (b), (c), (d) and (e). You have to complete the series starting with the given number, following the sequence of original series and answer the questions that follow the series.

(SBI PO Exam. 09.01.2005)

27. 19 103 439 1381 2887 3 (b) (c) (d) (e) What will come in place of (b)? (1) 139(2) 163(4) 157(3) 161(5) None of these 4 13 28. 40 135 552 2765 (b) (c) (d) What will come in place of (c)? (2) 133(1) 123(3) 127(4) 131(5) None of these 5 12 4 29. 10 3 6 (a) (b) (C) (d) (e) What will come in place of (d)? (1) 3(2) 5(4) 7(3) 4(5) None of these 30. 3 13 37 87 191 401 1 (a) (b) (c) (d) What will come in place of (d)? (1) 169(2) 161(3) 171(4) 159(5) None of these 31. 15 52.5 236.25 6 12 (a) (b) (c) (d) What will come in place of (c)? (1) 18.25 (2) 19

```
(3) 22.5
                        (4) 20.75
```

(5) None of these

Directions (32-36): In each of the following questions a number series is given. After the series, a number is given followed by (a), (b), (c), (d) and (e). You have to complete the series starting with the number given following the sequence of the given series. Then answer the question given below

(SBI PO Exam. 26.11.2006)

32. 9 19.5 41 84.5 12 (c) (b) (d) (e) Which of the following numbers will come in place of (c)?

(1) 111.5

(2) 118.5

(3) 108.25

(4) 106.75

(5) None of these

33. 5 22 201

(a) (b) (c) (d) (e)

Which of the following number will come in place of (d)?

(1) 4948

(2) 4840

(3) 4048

(4) 4984

(5) None of these

34.

5 5.25 11.5 36.75 (a)

(b) (d) (e) (c)

Which of the following number will come in place of (c)?

(1) 34.75

(2) 24.75

(3) 24.5

(4) 34.5

(5) None of these

35. 38 19 28.5 71.25

(a) (b) (c)

(d) (e) Which of the following number will come in place of (d)?

(1) 118.75

(2) 118.25

(3) 108.25

(5) None of these

(4) 118.125

36. 146 65 25 114

39 (a) (b) (c) (d) (e)

Which of the following number will come in place of (e)?

(1) 122

(2)119

(3) 112

(4)94

(5) None of these

Directions (37-41): In each of these questions a number series is given. Only one number is wrong in each series. You have to find out the **wrong** number.

(SBI Associate Banks PO Exam. 07,01.2007)

37. 35 54 75 10 15 24 (1) 35(2)75(3)24(4) 15(5)54

38.	1 3 4 7 11 18 27 47
	(1) 4 (2) 11
	(3) 18 (4) 7
	(5) 27
39.	3 2 3 6 12 37.5 115.5
	(1) 37.5 (2) 3
	(3) 6 (4) 2
	(5) 12
40.	2 8 32 148 765 4626 32431
	(1) 765 (2) 148
	(3) 8 (4) 32
	(5) 4626
41.	2 3 11 38 102 229 443
	(1) 11 (2) 229
	(3) 102 (4) 38
	(5) 3
	D1

Directions (42-46): What should come in place of the question mark(?) in the following number series?

(SBI PO Preliminary (Tire-I) Exam. 27.04.2008)

- 42. 7413 7422 7440 ? 7503 7548 (1)7464(2) 7456 (3)7466(4) 7477
 - (5) None of these
- 43. 36 16 64 100 (1) 120(2) 180(3) 136(4) 144
- (5) None of these
- 44. 12 33 96 ? 852 2553 (1) 285(2) 288 (3)250(4) 384(5) None of these
- 45. 14000 70000 2800 ? 112 22.4 (1)640(2) 420 (3)560(4) 540
 - (5) None of these
- 102 99 104 97 46. 106? (1)96(2)95(3) 100(4)94(5) None of these

Directions (47-51): What will ome in place of the question mark (?) in the following number series which as only one number wrong by a margin of + 1 or - 1? The first and last number in the series are correct?

(SBI PO Preliminary (Tire-I) Exam. 27.07.2008)

- 47. 93 95 99 ? 110 121 134 (2)96(1) 104(3)82(4) 103
 - (5) None of these
- 48. 12 26 40.5 60.75 136.6875 18
 - (1) 104.125(3) 96.125
- (2) 121.125 (4) 83.125

- (5) None of these
- 49. 7 11 18 28 ? 76 12 (1)59(2)38(3)46(4) 53
 - (5) None of these
- 50. 3 10 5 172 886 5346 3747 299832

(2) 27

- (1) 39
- (3)24(4) 34
- (5) None of these
- 51. 15 22 57 183 ? 748 3751 22542
 - (1)709(2)698
 - (3)748(4)800
 - (5) None of these

Directions (52-56): In e ach o the se questions a number series is given. In each series

only one number is wrong. Find out the wrong number.

(SBI Associate Banks PO Exam. 07.08.2011)

- **52.** 3601 3602 1803 604 154 36 12
 - (1) 3602
- (2) 1803
- (3) 604
- (4) 154
- (5)36
- **53.** 4 12 42 196 1005 6066 42511
 - (1) 12
- (2) 42
- (3) 1005
- (4) 196
- (5) 6066
- **54.** 2 8 12 20 30 42 56
 - (1) 8(3) 30
- (2) 42
- (5) 12
- (4) 20
- 55. 32 16 24 65 210 945 5197.5
 - (1)945
- (2) 16
- (3)24
- (4) 210
- (5)65
- 56. 97 194 385 13 25 49
 - (1) 13
- (2)49
- (3)97
- (4) 194
- (5)25

Directions (57-61): In each of the following questions, a number series is given. After the series a number is given followed by (a), (b), (c), (d) and (e). You have to complete the 'series starting with the number given, following the sequence of the original series and answer the questions that bllow the series.

(SBI Management Executive Exam. 23.02.2014)

- 19 20 57. 37 31.5 65 165
 - 21 (b) (a) (c) (d) What will come in the place of (e)?
 - (1) 105
- (2) 41
- (3) 110
- (4) 108
- (5) 116

58. 6 16 57 244 1245 (a) (b) (c) (d) What will come in the place of (d)? (1) 366(2) 364 $(3)\ 368$ (4) 378(5)382**59**. 5 11 49 335 3005 (b) (c) (d) 13 (a) What will come in the place of (b)? (1) 31(2) 27(3)29(4) 28(5) 3060. 152 467 1412 4247 12 47 33 (a) (b) (c) (d) What will come in the place of (d)? (1) 3131 (2) 1133(3) 3311 (4) 3113(5) 3123 61. 54 50 84 188 496 1456 42 (a) (b) (c) (d) (e) What will come the in the place of (d)? (2) 286 (3)293(4) 281 $(5)\ 301$

RBI GRADE-B OFFICER EXAMS

Directions (1-5): In each of the following questions a number series is given. After the series a number is given followed by (a), (b) (c), (d) and (e). You have to complete the series starting with the number given, following the sequence of the original series and answer the questions that follow the series.

(RBI Grade-B Officer Exam.17.11.2002)

16 57 244 1245 5 6 2 (a) (b) (c) (d) What will come in place of (d)? (1)46(2) 39(3) 156(4) 172(5) None of these 2. 9 17 33 5 65 7 (a) (b) (c) (d) (e) What will come in place of (d) (1)95(2) 51 (3)99(4) 49(5) None of these **3.** 7 4 5 9 20 52.5 3 (a) (b) (c) (d) What will come in place of (c)? (1) 4.5(2) 2(3) 6(4) 7(5) None of these 4. 10 32 111 460 2315 (a) (b) (c) (d) (e)

What will come in place of (b) ?

(1) 29 (2) 30 (3) 26 (4) 28 (5) None of these

5. 5 8 6 10 7 12 7 (a) (b) (c) (d) (e) What will come in place of (c) ? (1) 14 (2) 16 (3) 9 (4) 11

Directions (6-10): What should come in place of the question mark (?) in the following number series?

(RBI Grade-B Officer Exam. 2007)

6. 104 109 99 114 94 9 (1) 69 (2) 124 (3) 120 (4) 78

(5) None of these

(5) None of these

7. 980 392 156.8 ? 25.088 10.0352 (1) 65.04 2) 60.28

(3) 62.72 (4) 63.85

(5) None of these

8. 14 16 35 109 441?

 (1) 2651
 (2) 2205

 (3) 2315
 (4) 2211

(5) None of these

9. 1331 2197 4913 6859 ? 24389

(1) 12167(2) 13824(3) 9261(4) 15625

(5) None of these 3600 725 150 35 12 ?

(1) 8 (2) 7.4 (3) 10.5 (4) 10

(5) None of these

Directions (11-15): What should come in place of quesbon mark (?) in the following number series?

(RBI Grade-B Officer Exam. 2008)

 11.
 13
 14
 30
 93
 376
 1885
 ?

 (1)
 10818
 (2)
 10316

 (3)
 11316
 (4)
 11318

(3) 11316(5) None of these

12. 4 6 9 13.5 20.25 30.375

(1) 40.25(2) 45.5625(3) 42.7525(4) 48.5625

(5) None of these

13. 400 240 144 86.4 51.84 31.104

(1) 19.2466 (2) (3) 16.8824 (4)

(2) 17.2244(4) 18.6625

(5) None of these

14. 9 4.5 4.5 6.75 13.5 33.75 ?

(1) 101.25 (3) 99.75 (2) 103.75(4) 105.50

(5) None of these

15. 705 728 774 843 935 1050 ?

		10	
	(1) 1190 (2) 1180		(3) 412 (4) 2075
	(3) 1185 (4) 1187		(5) 12460
	` ,	0.4	
	(5) None of these	24.	144 215 540 1890 8505 46777.5
	Directions (16-20) : In each of	these	304053.75
auest:	ions a number series is given. Below th	ne	(1) 215 (2) 540
	one number is given followed by (a), (1		(3) 1890 (4) 8505
), (C),	
	d (e) You have to complete this series		(5) 46777.5
follow	ing the same logic as in the original se	ries 25.	2222 1879 1663 1538 1474 1447
and a	nswer the question that tollows.		1440
	(RBI Grade-B Officer Exam.11.10.	2009)	(1) 1879 (2) 1538
16.	5 9 25 91 414 2282 5		(3) 1474 (4) 1447
-0.	3 (a) (b) (c) (d) (e)		(5) 1440
	What will come in place of (c)?		Directions (26 - 30) : What will come in
	(1) 63.25 (2) 63.75		e of the question mark (?) in the following
	(3) 64.25 (4) 64.75	nun	iber series ?
	(5) None of these		(RBI Grade 'B' Officer's
17.	15 9 8 12 36 170		Exam. 18.12.2011)
		26.	9 31 73 141 (?)
		20.	
	What will come in place of (b)?		(1) 164 (2) 280
	(1) 18 (2) 16		(3) 239 (4) 241
	(3) 22 (4) 24		(5) None of these
	(5) None of these	27.	35 256 451 620 763 (?)
18.	7 6 10 27 104 515		(1) 680 (2) 893
/-0.	9 (a) (b) (c) (d) (e)		(3) 633 (4) 880
	What will come in place of (d)?	20	(5) None of these
	(1) 152 (2) 156	28.	130 139 155 180 216 (?)
	(3)108 (4)112		(1) 260 (2) 290
	(5) None of these		(3) 265 (4) 996
19.	6 16 57 244 1245 7506		(5) None of these
,	4 (a) (b) (c) (d) (e)	29.	2890 (?) 1162 874 730 658
		49.	2030 IST 1102 074 730 030
	7771 +:11 : 1 C (-1) - 2		
	What will come in place of (d)?		(1) 1684 (2) 1738
	(1) 985 (2) 980		(1) 1684 (2) 1738 (3) 1784 (4) 1672
			(1) 1684 (2) 1738
	(1) 985 (2) 980	30.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these
20.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these		(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?)
20.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285		(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25
20.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e)		(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25
20.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e)		(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these
20.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895	30.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in
20.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845	30. plac	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following
20.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895	30. plac	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in
20.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these	30. plac nun	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following
	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the following the second of th	30. place nun	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35): What will come in the of the question mark (?) in the following other series? (RBI Officer Grade 'B' Online
numb	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong	place place nun lowing	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35): What will come in the of the question mark (?) in the following other series? (RBI Officer Grade 'B' Online Exam. 25.08.2013
numb	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong ne wrong number.	place num lowing . Find 31.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35): What will come in the of the question mark (?) in the following other series? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ?
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5): I n the follower series only one number is wrong me wrong number. (RBI Grade-B Officer Exam.06.02.2	place num lowing . Find 31.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35): What will come in e of the question mark (?) in the following other series? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890
numb	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong the wrong number. (RBI Grade-B Officer Exam.06.02.2 4 3 4.5 8.5 20 53 162.5	place num lowing . Find 31.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35): What will come in e of the question mark (?) in the following other series? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5): I n the follower series only one number is wrong the wrong number. (RBI Grade-B Officer Exam.06.02.24 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5	place num lowing . Find 31.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following other series ? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong the wrong number. (RBI Grade-B Officer Exam.06.02.2 4 3 4.5 8.5 20 53 162.5	place num lowing . Find 31.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35): What will come in e of the question mark (?) in the following other series? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5): I n the follower series only one number is wrong the wrong number. (RBI Grade-B Officer Exam.06.02.24 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5	place num lowing . Find 31.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following other series ? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong the wrong number. (RBI Grade-B Officer Exam.06.02.2 4 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5 (3) 8.5 (4) 20 (5) 53	place num lowing . Find 31. 2011)	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in the of the question mark (?) in the following other series ? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these 55 66.15 88.45 121.9 166.5 ? (1) 212.25 (2) 322.25
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong number. (RBI Grade-B Officer Exam.06.02.2 4 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5 (3) 8.5 (4) 20 (5) 53 12000 2395 472 89.8 12.9	place num lowing . Find 31. 2011)	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35): What will come in the of the question mark (?) in the following of these exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these 55 66.15 88.45 121.9 166.5 ? (1) 212.25 (2) 322.25 (3) 224.25 (4) 222.25
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5): I n the follower series only one number is wrong newrong number. (RBI Grade-B Officer Exam.06.02.2 4 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5 (3) 8.5 (4) 20 (5) 53 12000 2395 472 89.8 12.9 2.408 -5.4816	place num lowing . Find 31. 2011) 32.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following other series? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these 55 66.15 88.45 121.9 166.5 ? (1) 212.25 (2) 322.25 (3) 224.25 (4) 222.25 (5) None of these
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong ne wrong number. (RBI Grade-B Officer Exam.06.02. 24 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5 (3) 8.5 (4) 20 (5) 53 12000 2395 472 89.8 12.9 2.408 -5.4816 (1) -5.4816 (2) 472	place num lowing . Find 31. 2011)	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following ober series? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these 55 66.15 88.45 121.9 166.5 ? (1) 212.25 (2) 322.25 (3) 224.25 (4) 222.25 (5) None of these 36 49 75 88 114 (?)
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong ne wrong number. (RBI Grade-B Officer Exam.06.02.2 4 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5 (3) 8.5 (4) 20 (5) 53 12000 2395 472 89.8 12.9 2.408 -5.4816 (1) -5.4816 (2) 472 (3) 12.96 (4) - 2.408	place num lowing . Find 31. 2011) 32.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following ober series ? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these 55 66.15 88.45 121.9 166.5 ? (1) 212.25 (2) 322.25 (3) 224.25 (4) 222.25 (5) None of these 36 49 75 88 114 (?) (1) 130 (2) 140
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong ne wrong number. (RBI Grade-B Officer Exam.06.02. 24 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5 (3) 8.5 (4) 20 (5) 53 12000 2395 472 89.8 12.9 2.408 -5.4816 (1) -5.4816 (2) 472	place num lowing . Find 31. 2011) 32.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following ober series? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these 55 66.15 88.45 121.9 166.5 ? (1) 212.25 (2) 322.25 (3) 224.25 (4) 222.25 (5) None of these 36 49 75 88 114 (?)
numb out th	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong ne wrong number. (RBI Grade-B Officer Exam.06.02.2 4 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5 (3) 8.5 (4) 20 (5) 53 12000 2395 472 89.8 12.9 2.408 -5.4816 (1) -5.4816 (2) 472 (3) 12.96 (4) - 2.408	place num lowing . Find 31. 2011) 32. 33.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in e of the question mark (?) in the following ober series ? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these 55 66.15 88.45 121.9 166.5 ? (1) 212.25 (2) 322.25 (3) 224.25 (4) 222.25 (5) None of these 36 49 75 88 114 (?) (1) 130 (2) 140
numb out th 21.	(1) 985 (2) 980 (3) 1004 (4) 1015 (5) None of these 8 9 20 63 256 1285 5 (a) (b) (c) (d) (e) What will come in place of (e) (1) 945 (2) 895 (3) 925 (4) 845 (5) None of these Directions (21-2 5) : I n the follower series only one number is wrong number. (RBI Grade-B Officer Exam.06.02.2 4 3 4.5 8.5 20 53 162.5 (1) 3 (2) 4.5 (3) 8.5 (4) 20 (5) 53 12000 2395 472 89.8 12.9 2.408 -5.4816 (1) -5.4816 (2) 472 (3) 12.96 (4) - 2.408 (5) 2395	place num lowing . Find 31. 2011) 32. 33.	(1) 1684 (2) 1738 (3) 1784 (4) 1672 (5) None of these 14 1004 1202 1251.5 1268 (?) (1) 1267.5 (2) 1276.25 (3) 1324.5 (4) 1367.25 (5) None of these Directions (31-35) : What will come in the end of the question mark (?) in the following other series? (RBI Officer Grade 'B' Online Exam. 25.08.2013 224 576 752 840 884 ? (1) 960 (2) 890 (3) 906 (4) 908 (5) None of these 55 66.15 88.45 121.9 166.5 ? (1) 212.25 (2) 322.25 (3) 224.25 (4) 222.25 (5) None of these 36 49 75 88 114 (?) (1) 130 (2) 140 (3) 132 (4) 128

INSURANCE EXAMS

- 1. What will come in place of the question mark (?) in the following series ? 3 7 18 26 ? 53 64 96
 - (1) 34
- (2) 37
- (3) 32
- (4) 38

(United India Insurance Co. AAO Exam. 21.04.2002)

- 2. What will come in place of the question mark (?) in the following series ? 1.7 3.2 2.7 4.2 3.7 ? 4.7 6.2 (1) 6.2
 - (3) 5.2
- (2) 5.5(4) 4.3

(United India Insurance Co. AAO Exam. 21.04.2002)

Directions (3-7): In each of the following questions, a number series in given. Only one number is wrong in this series. Find out that **wrong** number, and taking this wrong number as the first term of the second series formed following the same logic, find out the fourth term of the second series.

(LIC Assistant Administrative Officer (AAO) Exam. 24.04.2008)

- 3. 4 4 6 12 28 90
 - (1) 18
- (2) 42
- (3) 21
- (4) 24
- (5) None of these
- 4. 17 17.25 18.25 20.75 24.5 30.75
 - (1) 23.25(3) 24,5
- (2) 24.25 (4) 24,75
- (5) None of these
- 5. 438 487 447 476 460
 - (1)485(3)475
- (2)425(4) 496

469

- (5) None of these
- 6. 2 7 18 45 99 209 431
 - (1) 172
- (2) 171(4) 175
- (3) 174
- (5) None of these 6 8 10 42 146 770 4578
- (1)868

7.

- (2) 8872 (4)882
- (3)858(5) None of these

Directions (8-12): Find out the wrong number in the following given sequence.

(LIC Assistant Administrative Officer (AAO) Exam. 2006)

- 8. 7 4 6 9 20 52.5 160.5 (1) 6(2) 4
 - (3) 20
- (4)9

1260

- (5) 52.5
- 9. 46 12 30 75 315

- (1) 315(2)75(3) 12(4) 6
- (5) 30
- 10. 3 4 13 38 87 166 289
 - (1) 38
- (2) 13
- (3)87
- (4) 166
- (5) 4
- 11. 4 5 29 111 556 3325
 - (1) 5(3)29
- (2)9(4) 111
- (5) 556
- 2 6 16 38 84 176 368
- (1) 6

12.

- (2) 16
- (3) 38
- (4)84
- (5) 176
- **Directions (13 17)**: What should come in place of the question mark (?) in the following number series?

(New India Assurance AO Exam. 25.10.2009)

- 3 52 88 113 129 ? 13.
 - (1) 128
- (2) 142
- (3) 133
- (4) 145
- (5) None of these
- 2 3 8 ? 112 565 14.
 - (1) 36
- (2) 14(4) 45
- (3) 27(5) None of these
- 6 4 8 23 ? 385.25 15.
 - (1) 84.5
- (2) 73

? 1728

- (3) 78.5
- (4)82
- (5) None of these
- 18. 8 84 216 512
 - (1)729
 - (2) 1331 (3)684(4) 1000
 - (5) None of these
- **17**. 11 32 108 444?
 - (1) 1780(3) 1784
- (2) 2230 (4) 2225
- (5) None of these
- 18. If $S = 1^2 - 2^2 + 3^2 - 4^2 + \dots + 199^2 - 200^2$, then the value of S is
 - (1) 19900
- (2) 20100
- (3) -20100
- (4) 19900

(New India Assurance AO Exam. 25.10.2009)

- The expression $\frac{3}{4} + \frac{3}{36} + \frac{7}{144} + \dots + \frac{17}{5184} + \dots$ 19.
 - 8100 is equal to
 - (1) 0.9
- $(2)\ 0.95$
- (3) 0.99
- (4) 1.91

place	Directions (20- 24) : What will come in e of the question mark (?) in the following		1050 510 242 106 46 16 3 (1) 3 (2) 106
num	ber series ?		(3) 242 (4) 510
	(United India Insurance AO		(5) None of these
	Exam. 27.03.2011)	29.	
20.	8 14 32 70 136 (?)		(1) 494 (2) 546
	(1) 248 (2) 247		(3) 521 (4) 460
	(3) 237 (4) 238		(5) None of these
	(5) None of these	30.	
21.	25 41 89 169 281 (?)		(1) 47 (2) 86
	(1) 425 (2) 415		(3) 140 (4) 203
	(3) 409 (4) 419		(5) None of these
	(5) None of these	31.	
22.	461 474 465 478 469 (?)		(1) 161 (2) 965
	(1) 460 (2) 482		(3) 57525 (4) 19176
	(3) 456 (4) 478		(5) None of these
	(5) None of these	32.	
23.	980 516 284 168 110 (?)		(1)120 (2) 24
	(1)73 (2)71		(3) 8 (4) 720
	(3) 83 (4) 91		(5) None of these
	(5) None of these		Directions (33-38): What should come in
24.	4 4 10 34 94 (?)		ce of the question mark (?) in the following
	(1) 230 (2) 214	nur	nber series ?
	(3) 220 (4) 209		(United India Insurance AO
25	(5) None of these	22	Exam. 26.05.2013 1548 516 129 43 ?
25.	The sum 1 + 3 - 5 + 7 + 9 - 11 + 13 + 15 - 17	33.	
	++ 61 + 63 - 65 is equal to (1) 319 (2) 330		(1) 11 (3) 9.5 (2) 10.75 (4) 12
	(3) 341 (4) 451		(5) None of these
	(New India Insurance	34.	
	AAO Exam. 22.05.2011)	37.	(1) 48.24 (2) 53.86
			(3) 74.26 (4) 56.94
26.			(5) None of these
20.	If $x = \overline{2} + \overline{6} + \overline{12} + \overline{20} + \overline{30} + \overline{42} + \overline{56} + \overline{63}$	35.	
	1		(1) 351 (2) 349
	then value of $\frac{1}{x}$ is closest to		(3) 374 (4) 328
	(1) 1.1 (2) 1		(5) None of these
	(3) 0.9 (4) 0.8	36.	
	(Ntw India Insurance AAO		(1) 3168 (2) 3176
	·		(3) 1587 (4) 1590
	Exam. 22.05.2011)		(3) 1587 (4) 1590 (5) None of these
	Exam. 22.05.2011)	37.	(3) 1587 (4) 1590 (5) None of these
	Exam. 22.05.2011) (1)(1)(1) (1)		(3) 1587 (4) 1590 (5) None of these
27.	Exam. 22.05.2011) (1)(1)(1) (1)		(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644
27.	Exam. 22.05.2011)		(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444
27.	Exam. 22.05.2011)	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these
27.	Exam. 22.05.2011)		(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series :
27.	Exam. 22.05.2011)	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series : 2, 5, 9, ?, 20, 27
27.	Exam. 22.05.2011) $ \frac{1}{16} \frac{1}{1 - 2^{2}} \frac{1}{16} \frac{1}{1 - 3^{2}} \frac{1}{16} \frac{1}$	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series : 2, 5, 9, ?, 20, 27 (1) 14 (2)16
27.	Exam. 22.05.2011) $ \frac{1}{1} \left(\frac{1}{2} \right) \left(\frac{1}{3^2} \right) \left(\frac{1}{4^2} \right) \dots \left(\frac{1}{2011^2} \right) = \frac{x}{2 \times 2011} $ then the value of x is $ \frac{x}{2 \times 2011} = \frac{x}{2011} = \frac$	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series : 2, 5, 9, ?, 20, 27 (1) 14 (2)16 (3)18 (4)24
27.	Exam. 22.05.2011) $ \frac{1}{1} \left(\frac{1}{2^{2}} \right) \left(\frac{1}{1} - \frac{1}{3^{2}} \right) \left(\frac{1}{1} - \frac{1}{4^{2}} \right) \dots \left(\frac{1}{1} - \frac{1}{2011^{2}} \right) = \frac{x}{2 \times 2011} $ then the value of x is $ \frac{x}{2 \times 2011} = \frac{x}{2011} = \frac{x}{2010} $ (3) 2011 $ \frac{x}{2011} = \frac{x}{2011} = \frac{x}{2010} $ (4) 2012 (United India Insurance AAO)	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series: 2, 5, 9, ?, 20, 27 (1) 14 (2)16 (3)18 (4)24 (NICL (GIC) Administrative
27.	Exam. 22.05.2011) $ \frac{1}{16} \left(\frac{1}{2^2} \right) \left(\frac{1}{1} - \frac{1}{3^2} \right) \left(\frac{1}{1} - \frac{1}{4^2} \right) \dots \left(\frac{1}{1} - \frac{1}{2011^2} \right) = \frac{x}{2 \times 2011} $ then the value of x is $ \frac{x}{11} = $	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series : 2, 5, 9, ?, 20, 27 (1) 14 (2)16 (3)18 (4)24
	Exam. 22.05.2011) $ \frac{1}{1} \left(\frac{1}{2^{2}} \right) \left(\frac{1}{3^{2}} \right) \left(\frac{1}{4^{2}} \right) \dots \left(\frac{1}{2011^{2}} \right) = \frac{x}{2 \times 2011} $ then the value of x is $ \frac{x}{2 \times 2011} = \frac{x}{2011} = \frac{x}{2011^{2}} = \frac{x}{2011^$	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series: 2, 5, 9, ?, 20, 27 (1) 14 (2)16 (3)18 (4)24 (NICL (GIC) Administrative
	Exam. 22.05.2011) $ \frac{1}{1} \left(\frac{1}{2^{2}} \right) \left(\frac{1}{3^{2}} \right) \left(\frac{1}{4^{2}} \right) \dots \left(\frac{1}{2011^{2}} \right) = \frac{x}{2 \times 2011} $ then the value of x is $ \frac{x}{2 \times 2011} $ then the value of x is $ \frac{x}{2 \times 2011} $ (1) 1 (2) 2010 $ \frac{x}{2012} $ (United India Insurance AAO Exam. 03.06.2012) Directions (28 - 32): Find the wrong ber in the following number series.	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series: 2, 5, 9, ?, 20, 27 (1) 14 (2)16 (3)18 (4)24 (NICL (GIC) Administrative
	Exam. 22.05.2011) $ \frac{1}{1} \left(\frac{1}{2^{2}} \right) \left(\frac{1}{3^{2}} \right) \left(\frac{1}{4^{2}} \right) \dots \left(\frac{1}{2011^{2}} \right) = \frac{x}{2 \times 2011} $ then the value of x is $ \frac{x}{2 \times 2011} = \frac{x}{2011} = \frac{x}{2011^{2}} = \frac{x}{2011^$	=	(3) 1587 (4) 1590 (5) None of these 41 164 2624 ? 6045696 (1) 104244 (2) 94644 (3) 94464 (4) 102444 (5) None of these Find the missing number in the series: 2, 5, 9, ?, 20, 27 (1) 14 (2)16 (3)18 (4)24 (NICL (GIC) Administrative

	SHORT ANSWERS	105. (4)	106. (2)
	NATIONALISED BANKS	107. (3)	108. (5)
		109. (5)	110. (1)
1.	& IBPS PO/MT/SO (4) 2. (1)	111. (3)	112. (4)
3.	(4) 2. (1) 4. (3)	113. (5)	114. (1)
5.	(2) 6. (3)	115. (2)	116. (3)
7.	(5) 8. (2)	117. (2)	118. (1)
9.	(1) 10. (4)	119. (1) 121. (2)	120. (2)
11.	(3) 12. (5)	121. (2) 123. (3)	122. (5) 124. (3)
13.	(2) 14. (1)	125. (3)	126. (2)
15.	(4) 16. (1)	127. (5)	128. (3)
17. 19.	(5) 18. (1) 20. (2)	129. (4)	130. (3)
21.	(1) 20. (2) (4) 22. (3)	131. (3)	132. (2)
23.	(2) 24. (4)	133. (4)	134. (5)
25.	(1) 26. (5)	135. (4)	136. (1)
27.	(3) 28. (1)	137. (2) 139. (3)	138. (1) 140. (1)
29.	30. (2)	139. (3) 141. (4)	140. (1) 142. (5)
31.	(5) 32. (4)	143. (3)	142. (3)
33.	(1) 34. (3)	145. (3)	146. (5)
35. 37.	(2) 36. (3) (5)	147. (2)	148. (3)
37. 39.	(5) 38. (5) 40. (3)	149. (1)	150. (3)
41.	(2) 42. (1)	151. (5)	152. (4)
43.	(3) 44. (5)	153. (2)	154. (1)
45.	(4) 46. (1)	155. (2)	156. (4)
47.	(2) 48. (1)	157. (4) 159. (3)	158. (1) 160. (2)
49.	50. (5)	161. (4)	162. (1)
51.	(3) 52. (2)	163. (1)	164. (4)
53. 55.	(5) 54. (1) 56. (2)	165. (5)	166. (4)
55. 57.	(3) 56. (2) (4) 58. (3)	167. (4)	168. (2)
59.	(5) 60. (1)	169. (5)	170. (4)
61.	(2) 62. (4)	171. (1)	172. (1)
63.	(5) 64. (4)	173. (3)	174. (5)
65.	66. (2)	175. (4) 177. (5)	176. (1) 178. (3)
67.	(1) 68. (3)	179. (2)	180. (3)
69.	(4) 70. (1)	181. (5)	182. (3)
71. 73.	(5) 72. (3) (5) 74. (1)	183. (4)	184. (5)
75.	(4) 76. (2)	185. (4)	186. (4)
77.	(3) 78. (2)	187. (1)	188. (5)
79.	(4) 80. (1)	189. (3)	190. (2)
81.	(5) 82. (3)	191. (4) 193. (2)	192. (1) 194. (5)
83.	84. (3)	193. (2) 195. (2)	194. (3) 196. (4)
85.	(3) 86. (2)	197. (1)	198. (3)
87.	(3) 88. (1) 90. (3)	199. (2)	200. (4)
89. 91.	(5) 90. (3) (1) 92. (4)	201. (3)	202. (5)
93.	(3) 94. (1)	203. (4)	204. (2)
95 .	(5) 96. (4)	205. (1)	206. (2)
97.	(3) 98. (1)	207. (4)	208. (3)
99.	(2) 100. (2)	209. (1) 211. (2)	210. (2) 212. (1)
101.	(4) 102. (5)	211. (2) 213. (5)	212. (1) 214. (4)
103.	(1) 104. (3)	` ,	
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215. (3)	216. (1)	61.	(5)	
217. (4)	218. (5)	01.	(5)	
219. (3)	220. (3)		RBI	GRADE-B OFFICER EXAMS
221. (1)	222. (2)	1.	(4)	2. (5)
223. (3)	224. (4)	3.	(3)	4. (2)
225. (5)	226. (5)	5.	(1)	6. (5)
227. (3) 229. (5)	228. (5) 230. (5)	7. 9.	(3)	8. (4)
223. (3)	230. (3)	9. 11.	(1) (3)	10. (2) 12. (2)
SBI	PO EXAMS	13.	(4)	14. (1)
1. (3)	2. (3)	15.	(5)	16. (4)
3. (4)	4. (5)	17.	(2)	18. (1)
5. (1)	6. (4)	19.	(5)	20. (3)
7. (2) 9. (3)	8. (5) 10. (3)	21. 23.	(3) (5)	22. (2) 24. (1)
11. (4)	12. (5)	25.	(5)	26. (4)
13. (5)	14. (1)	27.	(4)	28. (3)
15. (3)	16. (1)	29.	(2)	30. (2)
17. (2)	18. (4)	31.	(3)	32. (4)
19. (3) 21. (4)	20. (5) 22. (2)	33.	(5)	
21. (4) 23. (1)	24. (4)]	INSURANCE EXAMS
25. (3)	26. (1)	1.	(2)	2. (3)
27. (2)	28. (1)	3.	(3)	4. (2)
29. (3)	30. (4)	5.	(1)	6. (5)
31. (3)	32. (3)	7.	(4)	8. (1)
33. (1) 35. (4)	34. (2) 36. (3)	9. 11.	(2) (3)	10. (4) 12. (5)
37. (1)	38. (5)	13.	(5)	14. (3)
39. (4)	40. (4)	15.	(1)	16. (4)
41. (2)	42. (5)	17.	(2)	18. (3)
43. (4) 45. (3)	44. (1) 46. (2)	19. 21.	(3)	20. (4)
45. (3) 47. (4)	48. (5)	23.	(1) (5)	22. (2) 24. (5)
49. (5)	50. (1)	25.	(1)	26. (1)
51. (3)	52. (4)	27.	(4)	28. (2)
53. (2)	54. (1)	29.	(1)	30. (3)
55. (3)	56. (4)	31.	(2)	32. (3)
57. (1) 59. (3)	58. (2) 60. (4)	33. 35.	(2)	34. (4) 36. (5)
(3)	30. (1)	33. 37.	(1) (3)	38. (3)
			(-)	331 (2)

EXPLANATIONS NATIONALISED BANKS & IBPS PO/MT/SO

(4) The series is based on the following 1. pattern:

 $11 = 2 \times 3 + 5$

 $38 = 11 \times 4 - 6$

 $197 = 38 \times 5 + 7$

 $1172 \neq 197 \times 6 - 8$

- : 1172 is wong and it should be replaced by $197 \times 6 - 8 = 1174$
- (1) The series is based on the following pattern:

 $107 - 71 = 36 = 6^2$

 $71 - 46 = 25 = 5^2$

 $46 - 30 = 16 = 4^2$

 $30 - 21 = 9 = 3^2$

 $21 - 19 = 2 \neq 2^2$

- : 19 I should be replaced by 17 for which $21 - 17 = 2^2$
- 3. (4) The series is based on the following pattern:

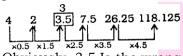
16 = 9 + 7

25 = 16 + 9

41 = 25 + 16

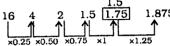
68 ≠ 41 + 25

4. (3) The series is based on the following pattern:



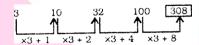
Obviously, 3.5 Is the wrong number which should be replaced by 3.

(2) The series is based on the following 5. pattern:



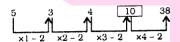
Obviously, 1.75 is the wrong number which should be replaced by 1.5.

6. (3) The given series is based on the following pattern:



Hence, 308 will come in place of question

7. (5) The given series is based on the following pattern:



Hence, 10 will come in place of question mark.

8. (2) The given series is based on the following pattern:

 $5 \times 1 + (1)^2 = 6$

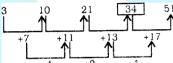
 $6 \times 2 + (2)^2 = 16$

 $16 \times 3 + (3)^2 = 57$

 $57 \times 4 + (4)^2 = 244$

Hence, 16 will come in place of question

9. (1) The given series is based on the following patterns.



Hence, 34 will come in place of question

(4) The given series is based on the following pattern:

 $5 \times 2 + 1 = 11$

10.

11.

12.

13.

 $11 \times 2 + 3 = 25$

 $25 \times 2 + 5 = 55$

 $55 \times 2 + 7 = 117$

(3) The given series is based on the following pattern:

 $30 = 12 \times 6 - 7 \times 6$

 $120 = 30 \times 5 - 6 \times 5$

 $460 = 120 \times 4 - 5 \times 4$

 $1368 = 460 \times 3 - 4 \times 3$

 $2730 = 1368 \times 2 - 3 \times 2$

Similarly,

(a) = $16 \times 6 - 7 \times 6 = 96 - 42 = 54$

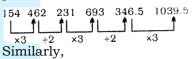
(b) = $54 \times 5 - 6 \times 5 = 240$

(c) = $240 \times 4 - 5 \times 4 = 940$

(d) = $940 \times 3 - 4 \times 3 = 2808$

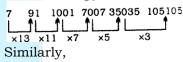
Hence, 2808 will come in place of (d).

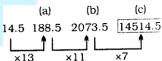
(5) The given series is based on the following pattern:



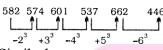
(a) (b) (c) (d) (e)
$$276\ 828\ 414\ 1242\ 621\ 1863$$
 $\times 3\ \div 2\ \times 3\ \div 2\ \times 3$ Hence, 1863 will come in place of (e).

(2) The given series is based on the following pattern:





- Hence, 14514.5 will come in place of (c).
- 14. (1) The given series is based on the following pattern:



Similarly,

Hence, 284 will come in place of(d).

15. (4) The given series is based on the following pattern:

Similarly,

Hence, **97.5** will come in place of (c).

16. (1) The given series is based on the following pattern:

$$1 = 1^3$$

$$27 = 3^3$$

$$64 = 4^3$$

 $125 = 5^3$

Hence, 8 will come in place of the question mark.

17. (5) The given series is based on the following 25. pattern:

$$25 = 5^2$$

$$16 = 4^2$$

$$? = 3^2 = 9$$

$$4 = 2^2$$
 and

 $1 = 1^2$

Hence, 9 will come in place of the question mark,

18. (1) The given series Is based on the following pattern:

$$1 \times 2 + 2 \times 2 = 6$$

$$6 \times 4 + 4 \times 3 = 36$$

$$36 \times 6 + 6 \times 4 = 240$$

$$240 \times 8 + 8 \times 5 = 1960$$

$$1960 \times 10 + 10 \times 6 = 19660$$

- Hence, 19660 will come in place of the quesdon mark.
- 19. (1) The given series is based on the following pattern:

Hence, 14 will come in place of the question mark.

20. (2) The given series is based on the following pattern:

$$2 + 5 = 7$$

$$7 + 5 = 12$$

$$12 + 7 = 19$$

$$19 + 12 = 31$$

- Hence, 81 will come in place of the question mark.
- 21. (4) The given series is based on the following pattern:

Hence, 19 will come in place of the question mark.

(3) The given series is based on the following pattern:

22.

23.

26.

27.

28.

Hence, 1260 will come in place of the question mark.

(2) The given number series is based on the following pattern:

Hence, 10.75 will replace the quesdon mark

(4) The given number series is based on the following pattern:

Hence, 56.94 will replace the question mark.

(1) The given number series is based on the following pattern:

$$121 + 23 \times 1 = 144$$

$$144 + 23 \times 2 = 190$$

$$190 + 23 \times 3 = 259$$

$$\therefore$$
 ? = 259 + 23 × 4

$$= 259 + 92 = 351$$

- Hence, **351** will replace the question mark.
- (5) The given number series is based on the following pattern:

$$14 \times 3 + 1.5 = 43.5$$

$$43.5 \times 6 + 1.5 \times 2 = 264$$

$$3174 \times 24 + 1.5 \times 8 = 76188$$

- Hence, 3174 will replace the question mark.
- (3) The given number series is based on the following pattern:

$$41 \times 2^2 = 164$$

$$164 \times 4^2 = 2624$$

$$2624 \times 6^2 = 94464$$

$$94464 \times 8^2 = 6045696$$

Hence, 94464 will replace the question mark

(1) The given number series is based on the following pattern:

$$12 \times 1 = 12$$

$$12 \times 1.5 = 18$$

 $18 \times (1 + 1.5) = 18 \times 2.5 = 45$ $45 \times (1.5 + 2.5) = 45 \times 4 = 180$ $180 \times (4 + 2.5) = 180 \times 6.5 = 1170$ \therefore ? = 1170 × (4 + 6.5) = **12285** Hence, 12285 will replace the quesdon mark.

29. (3) The given number series is based on the following pattern :

 $467 - 444 = 23 = 23 \times 1$ $513 - 467 = 46 = 23 \times 2$ $582 - 513 = 69 = 23 \times 3$ $674 - 582 = 92 = 23 \times 4$ $789 - 674 = 115 = 23 \times 5$ $\therefore ? = 789 + 23 \times 6$ = 789 + 138 = 927

Hence, 927 will replace the question mark.

30. (2) The given number series is based on the following pattern :

 $1 = 1^4$; $16 = 2^4$; $81 = 3^4$; $256 = 4^4$; $625 = 5^4$; $1296 = 6^4$; $2 = 7^4 = 7 \times 7 \times 7 \times 7$

= 2401

Hence, 2401 will replace the question mark.

31. (5) The given number series is based on the following pattern:

 $25 \times 2 + 3 = 53$ $53 \times 3 + 4 = 163$ $163 \times 4 + 5 = 657$ $657 \times 5 + 6 = 3291$

 $23 \times 1 + 2 = 25$

∴ ? = 3291 × 6 + 7 = 19746 + 7 = **19753** Hence, 19753 will replace the question

mark.

(4) The given number series is based on the following pattern:

 $13 \times 1 = 13$ $13 \times 5 = 65$ $65 \times 9 = 585$ $585 \times 13 = 7605$ $7605 \times 17 = 129285$

.. ? = 129285 × 21 = **2714985**

Hence, 2714985 will replace the question mark.

33. (1) The given number series is based on the following pattern :

 $40280625 \div 55 = 732375$ $732375 \div 45 = 16275$ $16275 \div 35 = 465$ $465 \div 25 = 18.6$ $18.6 \div 15 = 1.24$ $\therefore ? = 1.24 \div 5 =$ **0.248**

Hence, 0.248 will replace the question mark.

34. (3) The given number series is based on the following pattern :

 $14 \times 1 - 2 = 14 - 2 = 12$

 $12 \times 2 - 3 = 24 - 3 = 21$

 $21 \times 3 - 4 = 63 - 4 = 59$

 $59 \times 4 - 5 = 236 - 5 = 231$

231 × 5 - 6 = 1155 - 6 = 1149

 \therefore ? = 1149 × 6 - 7

= 6894 - 7 = **6887**

35.

36.

37.

38.

39.

Hence, 6887 will replace the question mark.

(2) The given number series is based on the following pattern:

 $12 \times 12 \times 12 = 1728$

 $14 \times 14 \times 14 = 2744$

 $16 \times 16 \times 16 = 4096$

18 × 18 × 18 = 5832

 $20 \times 20 \times 20 = 8000$

 $22 \times 22 \times 22 = 10648$

∴ ? = 24 × 24 × 24 = **13824**

Hence, 13824 will replace the question mark.

(3) The given number series is based on the following pattern:

 $120 \div 8 = 7$

 $15 \times 7 = 105$

 $105 \div 6 = 17.5$

 $17.5 \times 5 = 87.5$

 \therefore = 87.5 \div 4 = **21.875**

Hence, 21.875 will replace the question mark.

(5) The given number series is based on the following pattern:

Hence, 105 will replace the question mark.

(5) The given number series is based on the following pattern:

487.5 - 357.5 = 130

357.5 - 247.5 = 110

247.5 - 157.5 = 90

157.5 - 87.5 = 70

87.5 - 47.5 = **40**

87.5 - 37.5 = 50

37.5 - 7.5 = 30

Clearly, **47.5** is the wrong number. It should be replaced by 37.5.

(3) The given number series is based on the following pattern:

13 + 3 = 16

16 + 5 = 21

 $21 + 7 = 28 \neq 27$

28 + 11 = 39

39 + 13 = 52

52 + 17 = 69

	Clearly, 27 is the wrong num-ber. It should		$48 \times 2.5 = 120$
	be replaced by 28.		$120 \times 3 = 360$
40.	(3) The given number series is based on the		$360 \times 3.5 = 1260$
	following pattern:		∴ ? = 1260 × 4 = 5040
	1500 + 81 = 1581	46.	(1) The given number series is based on the
	1581 + 83 = 1664		following pattern:
	1664 + 85 = 1749		8 × 4 - 1= 32 - 1 = 31
	1749 + 87 = 1836 ≠ 1833		$31 \times 4 - 2 = 124 - 2 = 122$
	1836 + 89 = 1925		122 × 4 - 3 = 488 - 3 = 485
	1925 + 91 = 2016		485 × 4 - 4 = 1940 - 4 = 1936
	Clearly, 1833 is the wrong number. It		1936 × 4 - 5 = 7744 - 5 = 7739
	should be replaced by 1836.		∴ ? = 7739 × 4 - 6
41.	(2) The given number series is based on the		= 30956 - 6 = 30950
1	following pattern:	47.	(2) The given number series is based on the
	66 + 25 = 91		following pattern :
	91 + 29 = 120		499 + 1 × 123 = 622
	120 + 33 = 153		622 + 2 × 123 = 868
	153 + 37 = 190		868 + 3 × 123 = 1237
	190 + 41 = 231 ≠ 233		1237 + 4 × 123 = 1729
	231 + 45 = 276		1729 + 5 × 123 = 2344
	Clearly, 233 is the wrong number. It should	1	∴ ? = 2344 + 6 × 123
	be replaced by 231.	-	= 2344 + 738 = 3082
42.	(1) The given number series is based on the	48.	(1) The given number series is based on the
1/4	following pattern :		following pattern
	11 × 11 × 11 = 1331		1 = 1; 2 ² = 4
	$13 \times 13 \times 13 = 2197$		$3^3 = 27$; $4^4 = 256$
	15 × 15 × 15 = 3375		5 ⁵ = 3125; 6 ⁶ = 46656
	$17 \times 17 \times 17 = 4913 \neq 4914$		Hence 46658 is the wrong number.
	19 × 19 × 19 = 6859	49.	(4) The given number series is based on the
	Clearly, 4914 is the wrong number. It		following pattern
	should be replaced by 4913.		$18000 \div 5 = 3600$
43.	(3) The given number series is based on the		$3600 \div 5 = 720$
	following pattern:		$720 \div 5 = 144 \neq $ 142.2
	$20 + 2^2 = 24$		$144 \div 5 = 28.3$
	$24 + 3^2 = 33$		$28.8 \div 5 = 5.76$
	$33 + 4^2 = 49$		Hence 142.2 is the wrong number.
	$49 + 5^2 = 74$	50 .	(5) The given number series is based on the
	$74 + 6^2 = 110$		following pattern:
	\therefore ? = 110 + 7 ²		$12 + 15^2 = 12 + 225 = 237$
	= 110 + 49 = 159		237 + 13 ² = 237 + 169 = 406
44.	(5) The given number series is based on the		406 + 11 ² = 406 + 121 = 527
	following pattern:		527 + 81 = 608
	529 = 23 × 23		$608 + 7^2 = 608 + 49 = 657$
	841 = 29 × 29		Hence 604 is the wrong number.
	961 = 31 × 31	51.	(3) The given number series is based on the
	1369 = 37 × 37		following pattern:
	1681 = 41 × 41		$3 \times 7 + 2 \times 7 = 21 + 14 = 35$
	1849 = 43 × 43		$35 \times 6 + 3 \times 6 = 210 + 18$
	∴ ? = 47 × 47 = 2209		= 228 ≠ 226
	Here, the numbers are formed by squaring		228 × 5 + 4 × 5 = 1140 + 20 = 1160
	the prime numbers greater than 23.		1160 × 4 + 5 × 4 = 4640 + 20 = 4660
45 .	(4) The given number series is based on the		4660 × 3 + 6 × 3 = 13980 + 18 = 13998
	following pattern:		Hence 226 is the wrong number
	16 × 1.5 = 24	52 .	(2) The given number series i based on the
	$24 \times 2 = 48$		following pattern :

```
18 \times 7 - 7 = 126 - 7 = 119
                                                                           = 7350
                                                                           (2) 2^3 = 8 : 3^3 = 27
         119 \times 6 - 6 = 714 - 708
                                                                  61.
                                                                           4^3 = 64 : 5^3 = 125
         708 \times 5 - 5 = 3540 - 5 = 3535 \neq 3534
         3535 \times 4 - 4 = 14140 - 4 = 14136
                                                                           6^3 = 216 \neq 218
         Hence 3534 is the wrong number.
                                                                           7^3 = 343
53.
         (5) 5 + 2^2 = 5 + 4 = 9
                                                                  62.
                                                                           (4) 19 + 7^2 = 19 + 49 = 68
         9 + 3^2 = 9 + 9 = 18
                                                                           68 + 6^2 = 68 + 36 = 104 \neq 102
         18 + 4^2 = 18 + 16 = 34
                                                                           104 + 5^2 = 104 + 25 = 129
         34 + 5^2 = 34 + 25 = 59
                                                                           129 + 4^2 = 129 + 16 = 145
         59 + 6^2 = 59 + 36 = 95
                                                                           145 + 3^2 = 145 + 9 = 154
         \therefore ? = 95 + 7<sup>2</sup> = 95 + 49 = 144
                                                                  63.
                                                                           (5)
54.
         (1) 1200 \div 2.5 = 480
                                                                           0 + 5 = 5
         480 \div 2.5 = 192
                                                                           5 + 13 = 18
         192 \div 2.5 = 76.8
                                                                           18 + 25 = 43
         76.8 \div 2.5 = 30.72
                                                                           43 + 41 = 84
         30.72 \div 2.5 = 12.288
                                                                           84 + 61 = 145
         \therefore ? = 12.288 \div 2.5 = 4.9152
                                                                           · ? = 145 + 85 = 230
         (3) 963 - 1 \times 36 = 963 - 36 = 927
                                                                  64.
                                                                           (4) 10 \times 1 + 1 \times 7 = 10 + 7 = 17
55.
         927 - 2 \times 36 = 927 - 72 = 855
                                                                           17 \times 2 + 2 \times 7 = 34 + 14 = 48
         855 - 3 \times 36 = 855 - 108 = 747
                                                                           48 \times 3 + 3 \times 7 = 144 + 21 = 165
         747 - 4 \times 36 = 747 - 144 = 603
                                                                           165 \times 4 + 4 \times 7 = 660 + 28 = 688
         603 - 5 \times 36 = 603 - 180 = 423
                                                                           688 \times 5 + 5 \times 7 = 3440 + 35 = 3475
         \therefore ? = 423 - 6 × 36 = 423 - 216 = 207
                                                                           \therefore ? = 3475 × 6 + 6 × 7
56.
         (2) 29 \times 29 = 841
                                                                           = 20850 + 42 = 20892
         31 \times 31 = 961
                                                                  65.
                                                                           (3) 1 \times 3 = 3
         33 \times 33 = 1089
                                                                           3 \times 8 = 24
         35 \times 35 = 1225
                                                                           24 \times 15 = 360
                                                                           360 \times 24 = 8640
         37 \times 37 = 1369
         39 \times 39 = 1521
                                                                           8640 \times 35 = 302400
         \therefore ? = 41 × 41 = 1681
                                                                           \therefore ? = 302400 × 48
57.
         (4) 18 \times 1 + 2 = 18 + 2 = 20
                                                                           = 14515200
         20 \times 2 + 4 = 40 + 4 = 44
                                                                  66.
                                                                           (2) 12 \times 1 + 2 \times 1 = 12 + 2 = 14
         44 \times 3 + 6 = 132 + 6 = 138
                                                                           14 \times 2 + 2 \times 2 = 28 + 4 = 32
         138 \times 4 + 8 = 552 + 8 = 560
                                                                           32 \times 3 + 2 \times 3 = 96 + 6 = 102
         560 \times 5 + 10 = 2800 + 10 = 2810
                                                                           102 \times 4 + 2 \times 4 = 408 + 8 = 416
         \therefore ? = 2810 × 6 + 12 = 16860 + 12 = 16872
                                                                           416 \times 5 + 2 \times 5 = 2080 + 10
58.
         (3) 4 × 1 + 2 = 4 + 2 = 6
                                                                           = 2090
                                                                           \therefore ? = 2090 × 6 + 2 × 6
         6 \times 2 + 3 = 12 + 3 = 15 \neq 18
                                                                           = 12540 + 12 = 12552
         15 \times 3 + 4 = 45 + 4 = 49
         49 \times 4 + 5 = 196 + 5 = 201
                                                                           (1) 10 \times \frac{1}{2} = 15
         201 \times 5 + 6 = 1005 + 6 = 1011
                                                                  67.
         (5) 48 \times \frac{3}{2} = 72; 72 \times \frac{3}{2} = 108
                                                                           15 \times \frac{4}{4} = 15
         108 \times \frac{3}{2} = 162 : 162 \times \frac{3}{2} = 243
                                                                           15 \times \frac{5}{6} = 12.5
         243 \times \frac{3}{} = 364.5 \neq 366
                                                                           12.5 \times \frac{6}{8} = 9.375
         (1) 2 × 6 + 7 × 6 = 12 + 42 = 54
60.
                                                                           9.375 \times \frac{7}{10} = 6.5625
         54 \times 5 + 6 \times 5 = 270 + 30 = 300
         300 \times 4 + 5 \times 4 = 1200 + 20 = 1220
         1220 \times 3 + 4 \times 3 = 3660 + 12
                                                                           \therefore ? = 6.5625 × \frac{\circ}{12} = 4.375
         = 3672 ≠ 3674
         3672 \times 2 + 3 \times 2 = 7344 + 6
```

```
68.
         (3) The pattern of the number series is:
                                                                        6 \times 2.5 + 2.5 = 15 + 2.5 = 17.5
         17 \times 3 + 1 = 51 + 1 = 52
                                                                        17.5 \times 3.5 + 3.5 = 61.25 + 3.5 = 64.75
        52 \times 3 + 2 = 156 + 2 = 158
                                                               78.
                                                                        (2) The pattern is:
         158 \times 3 + 3 = 474 + 3 = 477
                                                                        16 \times 0.5 = 8.8 \times 1.5 = 12
         477 \times 3 + 4 = 1431 + 4 = 1435
                                                                        12 \times 2.5 = 30 \ 30 \times 3.5 = 105
69.
        (4) The pattern of the number series is:
                                                               79.
                                                                        (4) The pattern is:
         3 \times 7 + 1 = 21 + 1 = 22
                                                                        5 \times 1 + 1 = 6
         22 \times 6 + 2 = 132 + 2 = 134
                                                                        6 \times 2 + 2 = 14
         134 \times 5 + 3 = 670 + 3 = 673
                                                                        14 \times 3 + 3 = 45
         673 \times 4 + 4 = 2692 + 4 = 2696
                                                                        45 \times 4 + 4 = 184
70.
         (1) The pattern of the number series is:
                                                               80.
                                                                        (1) The pattern is:
        6 \times 1 + 1 \times 7 = 6 + 7 = 13
                                                                        7 \times 1 + 1 \times 5 = 12
         13 \times 2 + 2 \times 6 = 26 + 12 = 38
                                                                        12 \times 2 + 2 \times 4 = 32
        38 \times 3 + 3 \times 5 = 114 + 15 = 129
                                                                        32 \times 3 + 3 \times 3 = 105
         129 \times 4 + 4 \times 4 = 516 + 16 = 532
                                                                        105 \times 4 + 4 \times 2 = 428
71.
        (5) The pattern of the number series is:
                                                               81.
                                                                        (5) The pattern is:
                                                                        11 \times 2 + 1 = 23
           \frac{1}{2} - 1 = 143 - 1 = 142
                                                                        23 \times 2 + 1 = 47
                                                                        47 \times 2 + 1 = 95
                                                                        95 \times 2 + 1 = 191
          \frac{1}{2} -1 = 71 -1 = 70
                                                               82.
                                                                        (3) The pattern is:
                                                                        9 \times 2 - 1 = 17
                                                                        17 \times 2 - 1 = 33
         \frac{}{2} - 1 = 35 - 1 = 34
                                                                        33 \times 2 - 1 = 65
                                                                        65 \times 2 - 1 = 129
         2 - 1 = 17- 1 = 16
                                                               83.
                                                                        (3) The pattern of the number series is:
                                                                        8 + 3 = 11
         (3) The pattern of the number series is:
72.
                                                                        11 + 3^2 = 11 + 9 = 20 \neq 17
         17 \times 0.5 + 0.5 = 9
                                                                        20 + 3^3 = 20 + 27 = 47
         9 \times 1 + 1 = 10
                                                                        47 + 3^4 = 47 + 81 = 128
         10 \times 1.5 + 1.5 = 16.5
                                                                        128 + 3^5 = 128 + 243 = 371
         16.5 \times 2 + 2 = 35
                                                               84.
                                                                        (3) The pattern of the number series is:
73.
         (5) The pattern is:
                                                                        1 + 2^2 = 1 + 4 = 5
         2 \times 3 + 2 = 6 + 2 = 8
                                                                        5 + 2^3 = 5 + 8 = 13
         8 \times 3 + 2 = 24 + 2 = 26
                                                                        13 + 2^4 = 13 + 16 = 29 \neq 31
         26 \times 3 + 2 = 78 + 2 = 80
                                                                        29 + 2^5 = 29 + 32 = 61
         80 \times 3 + 2 = 240 + 2 = 242
                                                                        61 + 2^6 = 61 + 64 = 125
         (1) The pattern is:
                                                               85.
                                                                        (3) The pattern is:
         3 \times 1 + 1^2 = 3 + 1 = 4
                                                                        150 \times 2 - 1 \times 10
         4 \times 2 + 2^2 = 8 + 4 = 12
                                                                        = 300 - 10 = 290
        12 \times 3 + 3^2 = 36 + 9 = 45
                                                                        290 × 2 - 2 × 10
        45 \times 4 + 4^2 = 180 + 16 = 196
                                                                        = 580 - 20 = 560
75.
         (4) The pattern is:
                                                                        560 \times 2 - 3 \times 10 = 1120 - 30
        9 \times 2 - 1 = 18 - 1 = 17
                                                                        = 1090 \pm 1120
         17 \times 2 - 1 = 34 - 1 = 33
                                                                        1090 \times 2 - 4 \times 10 = 2180 - 40 = 2140
         33 \times 2 - 1 = 66 - 1 = 65
                                                                        2140 \times 2 - 5 \times 10 = 4280 - 50 = 4230
         65 \times 2 - 1 = 130 - 1 = 129
                                                               86.
                                                                        (2) The pattern is : 10 \times 1 - 2 = 8
76.
        (2) The pattern is:
                                                                        8 \times 2 - 3 = 13
         7 \times 2 - 1 = 14 - 1 = 13
                                                                        13 \times 3 - 4 = 35
         13 \times 2 - 1 = 26 - 1 = 25
                                                                        35 \times 4 - 5 = 135
         25 \times 2 - 1 = 50 - 1 = 49
                                                                        135 \times 5 - 6 = 675 - 6
         49 \times 2 - 1 = 98 - 1 = 97
                                                                        = 669 ≠ 671
77.
        (3) The pattern is:
                                                                        669 \times 6 - 7 = 4014 - 7 = 4007
        5 \times 0.5 + 0.5 = 2.5 + 0.5 = 3
                                                               87.
                                                                        (3) The pattern is:
         3 \times 1.5 + 1.5 = 4.5 + 1.5 = 6
                                                                        (80 \div 2) + 2 = 40 + 2 = 42
```

```
131 + 3^2 = 140
         (42 \div 2) + 2 = 21 + 2 = 23 \neq 24
         (23 \div 2) + 2 = 11.5 + 2 = 13.5
                                                                        140 + 2^2 = 140 + 4 = 144
         (13.5 \div 2) + 2 = 6.75 + 2 = 8.75
                                                               96.
                                                                        (4) The pattern is:
         (8.75 \pm 2) + 2 = 4.375 + 2 = 6.375
                                                                        7 \times 0.5 + 0.5 = 3.5 + 0.5 = 4
88.
        (1) The pattern is:
                                                                        4 \times 1 + 1 = 4 + 1 = 5
                                                                        5 \times 1.5 + 1.5 = 7.5 + 1.5 = 9
        125 \times \frac{3}{5} = 75
                                                                        9 \times 2 + 2 = 18 + 2 = 20
                                                               97.
                                                                        (3) The pattern is:
                                                                        6 \times 7 = 42
        75 \times \frac{3}{5} = 45
                                                                        42 \times 6 = 252
                                                                        252 \times 5 = 1260
         45 \times \frac{3}{5} = 27 \neq 25
                                                               98.
                                                                        (1) The pattern is:
                                                                        4 \times 5 - 10 = 10
                                                                        10 \times 5 - 10 = 40
        27 \times \frac{3}{5} = 16.2
                                                                        40 \times 5 - 10 = 190
                                                                        190 \times 5 - 10 = 940
         16.2 \times \frac{3}{5} = 9.72
                                                                        940 \times 5 - 10 = 4700 - 10
                                                                        = 4690
                                                               99.
89.
                                                                        (2) The pattern is:
         (5) The pattern is:
                                                                        2 \times 1 + 1 \times 7 = 9
        29 + 1 \times 8 = 37
                                                                        9 \times 2 + 2 \times 6 = 30
         37 - 2 \times 8 = 37 - 16 = 21
                                                                        30 \times 3 + 3 \times 5 = 105
         21 + 3 \times 8 = 21 + 24 = 45 \neq 43
                                                                        105 \times 4 + 4 \times 4 = 436
         45 - 4 \times 8 = 45 - 32 = 13
                                                                        436 \times 5 + 5 \times 3 = 2195
         13 + 5 \times 8 = 13 + 40 = 53
                                                                        (2) The pattern of the numbe series is:
                                                               100.
        53 - 6 \times 8 = 53 - 48 = 5
                                                                        (484 \div 2) - 2 = 242 - 2 = 240
90.
         (3) The pattern is:
                                                                        (240 \div 2) - 2 = 120 - 2 = 118 = 120
         13 + 12 = 25; 25 + 15 = 40
                                                                        (118 \div 2) - 2 = 59 - 2 = 57
         40 + 18 = 58 \neq 57
                                                                        (57 \div 2) - 2 = 28.5 - 2 = 26.5
         58 + 21 = 79
                                                               101.
                                                                        (4) The pattern of the number series is:
91.
        (1) The pattern is:
                                                                        3 \times 1 + 2 = 5
         850 - 200 = 650 \neq 600
                                                                        5 \times 2 + 3 = 13
         650 - 100 = 550
                                                                        13 \times 3 + 4 = 43
         550 - 50 = 500
                                                                        43 \times 4 + 5 = 177 \neq 176
         500 - 25 = 475
        475 - 12.5 = 462.5
                                                                        177 \times 5 + 6 = 891
92.
                                                               102.
                                                                        (5) The Pattern of the number series is:
         (4) The pattern is:
         2 \times 3 = 6 \neq 10
                                                                        6 + 1^2 = 6 + 1 = 7
        6 \times 3 = 18
                                                                        7 + 3^2 = 7 + 9 = 16
                       ; 18 \times 3 = 54
         54 \times 3 = 162
                                                                        16 + 5^2 = 16 + 25 = 41
93.
         (3) The pattern is:
                                                                        41 + 7^2 = 41 + 49 = 90
        8 + 4 \times 1 = 12; 12 + 4 \times 3 = 24
                                                                        90 + 9^2 = 90 + 81 = 177 \neq 154
                                                                        171 + 11^2 = 171 + 121 = 292
         24 + 4 \times 5 = 44 \pm 46
                                                               103. (1) The pattern of the number series is:
        44 + 4 \times 7 = 72
         72 + 4 \times 9 = 108
                                                                        5 \times 1 + 1^2 = 6 \neq 7
94.
                                                                        6 \times 2 + 2^2 = 16
         (1) The pattern is:
                                                                        16 \times 3 + 3^2 = 57
        142 - 23 = 119 ; 119 - 19 = 100
                                                                        57 \times 4 + 4^2 = 228 + 16 = 244
         100 - 17 = 83
                                                                        244 \times 5 + 5^2 = 1220 + 25 = 1245
         83 - 13 = 70 \pm 65
                                                               104. (3) The pattern of the number series is:
         70 - 11 = 59
         59 - 7 = 52
                                                                        4 \times 0.5 + 0.5 = 2 + 0.5 = 2.5
95.
         (5) The pattern is:
                                                                        2.5 \times 1 + 1 = 3.5
         5 + 7^2 = 54
                                                                        3.5 \times 1.5 + 1.5 = 6.75 = \neq 65
         54 + 6^2 = 90
                                                                        6.75 \times 2 + 2 = 15.5
        90 + 5^2 = 115
                                                                        15.5 \times 2.5 + 2.5 = 38.75 + 25 = 41.25
                                                                        41.25 \times 3 + 3 = 123.75 + 3 = 126.75
        115 + 4^2 = 131
```

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105.
                                                          114. (1) The pattern of the number series is:
        (4) The pattern of the number series is:
        325 - 1 \times 11 = 314
                                                                   37 + 1 \times 5 = 42 \neq 47
        314 - 2 \times 11 = 292
                                                                  42 + 2 \times 5 = 52
        292 - 3 \times 11 = 259
                                                                  52 + 3 \times 5 = 67
        259 - 4 \times 11 = 215
                                                                  67 + 4 \times 5 = 87
                                                                  87 + 5 \times 5 = 112
        215 - 5 \times 11 = \neq 160
                                                                   112 + 6 \times 5 = 142
106.
        (2) The pattern of the number series is:
                                                          115.
                                                                  (2) The pattern of the number series is:
        45 \times 1 + 1 = 46
        46 \times 1.5 + 1 = 70
                                                                   13 + 3 = 16
        70 \times 2 + 1 = 141
                                                                   16 + (3 + 3) = 22
                                                                  22 + (6 + 5) = 33
        141 \times 2.5 + 1
        = 352.5 + 1 = 353.5
                                                                   33 + (11 + 7) = 51
                                                                   51 + (18 + 9) = 78
107.
        (3) The pattern of the number series is:
                                                          116.
                                                                  (3) The pattern of the number series is:
        620 + 1 \times 12 = 632
        632 - 2 \times 12 = 608
                                                                   39 + 1 \times 13 = 52
                                                                  52 + 2 \times 13 = 78
        608 + 3 \times 12 = 644
        644 - 4 + 12 = 596
                                                                  78 + 3 \times 13 = 117
                                                                   117 + 4 \times 13 = 169
        596 + 5 \times 12 = 656
108.
                                                                   169 + 5 \times 13 = 234
        (5) The pattern of the number series is:
        15 \times 2 - 1 \times 5 = 25
                                                          117.
                                                                  (2) The pattern of the number series is:
                                                                   62 + 5^2 = 62 + 25 = 87
        25 \times 2 - 2 \times 5 = 40
        40 \times 2 - 3 \times 5 = 65
                                                                  87 + 10^2 = 87 + 100 = 187
                                                                   187 + 15^2 = 187 + 225 = 412
        65 \times 2 - 4 \times 5 = 110
        110 \times 2 - 5 \times 5 = 195
                                                                  412 + 20^2 = 412 + 400 = 812
                                                                  812 + (25)^2 = 812 + 625 = 1437
109.
        (5) The pattern of the number series is:
                                                                  (1) The pattern of the number series is:
        120 \times 2.5 + 20 = 320
                                                          118.
                                                                   7 + 1^2 = 8
        320 \times 2.5 + 20 = 820
                                                                  8 + 4^2 = 24
        820 \times 2.5 + 20 = 2070
                                                                  24 + 9^2 = 105
        2070 \times 2.5 + 20 = 5195
110. (1) The pattern of the number series is:
                                                                   105 + 16^2 = 361
                                                                   361 + 25^2 = 986
        32 + 1^2 = 32 + 1 = 33 \neq 34
        33 + 2^2 = 33 + 4 = 37
                                                          119.
                                                                  (1) The pattern of the number series is:
        37 + 3^2 = 37 + 9 = 46
                                                                   656 - 224 = 432
        46 + 4^2 = 46 + 16 = 62
                                                                  432 - 112 = 320
        62 + 5^2 = 62 + 25 = 87
                                                                  320 - 56 = 264
        (3) The pattern of the number series is:
                                                                  264 - 28 = 236
111.
        7 + 1 \times 11 = 7 + 11 = 18
                                                                  236 - 14 = 222
        18 + 3 \times 11 = 18 + 33 = 51 \neq 40
                                                          120. (2) The pattern of the number series is :
        51 + 5 \times 11 = 51 + 55 = 106
                                                                   7 \times 2 + 6 = 20
                                                                  20 \times 2 + 6 = 46
        106 + 7 \times 11 = 106 + 77 = 183
        183 + 9 \times 11 = 183 + 99 = 282
                                                                  46 \times 2 + 6 = 98
112.
                                                                  98 \times 2 + 6 = 202
       (4) The pattern of the number series is:
        850 - 1 \times 7 = 843
                                                                  202 \times 2 + 6 = 404 + 6 = 410
                                                           121.
        843 - 2 \times 7 = 829
                                                                  (2) The pattern of the number series is:
        829 - 3 \times 7 = 808
                                                                  210 - 1^3 = 209
        808 - 4 \times 7 = 780 \neq 788
                                                                  209 + 2^2 = 213
        780 - 5 \times 7 = 745
                                                                  213 - 3^3 = 186
                                                                   186 + 4^2 = 202
        745 - 6 \times 7 = 703
       (5) The pattern of the number series is:
                                                                  202 - 5^3 = 202 - 125 = 77
113.
        33 + 288 = 321
                                                           122. (5) The pattern of the number series is:
        321 + 144 = 465
                                                                  27 + 11 = 38
        465 + 72 = 537
                                                                  38 + 33 = 71
                                                                  71 + 55 = 126
        537 + 36 = 573
        573 + 18 = 591 ≠ 590
                                                                  126 + 77 = 203
        591 + 9 = 600
                                                                  203 + 99 = 302
```

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123.
       (3) The pattern of the number series is:
                                                                   1 \times 1 + 1 = 2
        435 - 9 \times 9 = 354
                                                                   2 \times 2 + 2 = 6
                                                                   6 \times 3 + 3 = 21
        354 - 9 \times 8 = 282
        282 - 9 \times 7 = 219
                                                                   21 \times 4 + 4 = 88
                                                                   88 \times 5 + 5 = 445
        219 - 9 \times 6 = 165
        165 - 9 \times 5 = 120
                                                                   445 \times 6 + 6 = 2676
124.
                                                           133.
                                                                   (4) The pattern of the number series is:
        (3) The paatem of the number series is:
        4 + 14^2 = 4 + 196 = 200
                                                                   20 + 1^2 = 21
                                                                   21 + 2^2 = 25
        200 + 13^2 = 200 + 169 = 369
        369 + 12^2 = 369 + 144 = 513
                                                                   25 + 3^2 = 34
        513 + 11^2 = 513 + 121 = 634
                                                                   34 + 4^2 = 50
        634 + 10^2 = 634 + 100 = 734
                                                                   50 + 5^2 = 75
125.
       (3) The pattern of the number series is:
                                                           134. (5) The pattern of the number series is :
        495 - 1 \times 10 = 485
        485 - 2 \times 10 = 465
                                                                         + 5 = 125
        465 - 4 \times 10 = 425
        425 - 8 \times 10 = 345
                                                                     5 + 5 = 30
        345 - 16 \times 10 = 185
126.
        (2) The pattern of the number series is:
        16 + 6 = 22
                                                                    5 + 5 = 11
        22 + 11 = 33
        33 + 16 = 49
                                                                    \frac{1}{5} + 5 = 7.2
        49 + 21 = 70
        70 + 26 = 96
                                                           135.
                                                                   (4) The pattern of the number series is:
127.
        (5) The pattern of the number series is:
                                                                   11 + 2^2 = 11 + 4 = 15
        32 + 2^2 = 36
                                                                   15 + 4^2 = 15 + 16 = 31
        36 + 4^2 = 52
                                                                   31 + 6^2 = 31 + 36 = 67
        52 + 6^2 = 88
                                                                   67 + 8^2 = 67 + 64 = 131
        88 + 8^2 = 152
                                                                   131 + 10^2 = 131 + 100 = 231
        152 + 10^2 = 252
                                                           136.
                                                                   (1) The pattern of the number series is:
128.
       (3) The pattern of the number series is:
                                                                   483 - 1 \times 12 = 483 - 12 = 471
        17 + 272 = 289
                                                                   471 - 3 \times 12 = 471 - 36 = 435
        289 + 136 = 425
                                                                   435 - 5 \times 12 = 435 - 60 = 375
        425 + 68 = 493
                                                                   375 - 7 \times 12 = 375 - 84 = 291
        493 + 34 = 527
                                                                   291 - 9 × 12 = 291 - 108 = 183
        527 + 17 = 544
                                                           137.
                                                                   (2) The pattern of the number series is:
129.
       (4) The pattern of the numbe series is:
                                                                   5 + 1 \times 2 = 7
        13 + 1 \times 14 = 27
                                                                   7 + 2 \times 3 = 13
        27 + 2 \times 14 = 55
                                                                   13 + 3 \times 4 = 25
        55 + 3 \times 14 = 97
                                                                   25 + 4 \times 5 = 45
        97 + 4 \times 14 = 153
                                                                   45 + 5 \times 6 = 75
       153 + 5 × 14 = 223
                                                           138.
                                                                   (1) The pattern of the number series is:
130.
        (3) The pattern of the number series is:
                                                                   4 + 1 \times 7 = 11
        50 \times 1.2 = 60
                                                                   11 + 2 \times 7 = 25
        60 \times 1.25 = 75
                                                                   25 + 4 \times 7 = 53
        75 \times 1.3 = 97.5
                                                                   53 + 8 \times 7 = 109
        97.5 \times 1.35 = 131.625
                                                                   109 + 16 \times 7 = 109 + 112 = 221
        131.625 \times 1.4 = 184.275
                                                           139.
                                                                   (3) The pattern of the number series is:
131. (3) The pattern of the number series is:
                                                                   15 + 6 \times 1 = 21
        12 \times 1 + 3 \times 1 = 15
                                                                   21 + 6 \times 2 = 33
        15 \times 2 + 3 \times 2 = 36
                                                                   33 + 6 \times 3 = 51
        36 \times 3 + 3 \times 3 = 117
                                                                   51 + 6 \times 4 = 75
        117 \times 4 + 3 \times 4 = 480
                                                                   75 + 6 \times 5 = 105
        480 \times 5 + 3 \times 5 = 2415
                                                           140. (1) The pattern of the number series is:
132.
       (2) The pattern of the number series is:
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5 \times 3 = 15
        5 + 7^3 = 5 + 343 = 348
                                                                     15 \times 5 = 75
        348 + 6^3 = 348 + 216 = 564
        564 + 5^3 = 564 + 125 = 689
                                                                     75 \times 7 = 525
        689 + 4^3 = 689 + 64 = 753, not 716
                                                                     525 \times 9 = 4725
        753 + 3^3 = 753 + 27 = 780
                                                                    (1) The pattern of the number series is:
                                                            149.
141. (4) The pattern of the number series is:
                                                                    52 \times \frac{1}{2} = 26
          2 + 2 = 2224
                                                                     26 \times 1 = 26
                                                                    26 \times \frac{3}{2} = 39
          \frac{1}{2} + 2 = 1114
                                                                     39 \times 2 = 78
        \frac{1114}{2} + 2 = 559 not 556
                                                                     78 \times \frac{5}{2} = 195
         \frac{559}{2} + 2 = 281.5
                                                                     (3) The pattern of the number series is:
                                                            150.
                                                                     14 - 10 = 4
142.
        (5) The pattern of the number series is:
                                                                     25 - 14 = 11 = 4 \times 3 - 1
        4.5 + 11.5 = 16
                                                                     55 - 25 = 30 = 11 \times 3 - 3
        16 + 9.5 = 25.5, not 25
                                                                     140 - 55 = 85 = 30 \times 3 - 5
        25.5 + 7.5 = 33
                                                                     \therefore ? = 140 + 85 × 3 - 7
        33 + 5.5 = 38.5
                                                                     = 140 + 248 = 388
143.
        (3) The pattern of the number series is:
                                                            151.
                                                                     (5) The pattern of the number series is:
        6 \times 7 + 1 \times 7 = 49
                                                                     119 + 1 \times 12 = 131
        49 \times 6 + 2 \times 6 = 306, not 305
                                                                     131 + 2 \times 12 = 155
        306 \times 5 + 3 \times 5 = 1545
                                                                     155 + 3 \times 12 = 191
        1545 \times 4 + 4 \times 4 = 6196
                                                                     191 + 4 \times 12 = 239
        6196 \times 3 + 5 \times 3 = 18603
                                                                     239 + 5 \times 12 = 299
144.
        (3) The pattern of the number series is:
                                                            152.
                                                                     (4) The pattern of the number series is:
        8 \times 0.5 + 1 = 5
                                                                     11 + 1 \times 46 = 11 + 46 = 57
        5 \times 1 + 1.5 = 6.5
                                                                     57 + 2 \times 46 = 57 + 92 = 149
        6.5 \times 1.5 + 2 = 9.75 + 2 = 11.75, not 11
                                                                     149 + 2 \times 92 = 149 + 184 = 333
        11.75 \times 2 + 2.5 = 23.5 + 2.5 = 26
                                                                     333 + 2 \times 184 = 333 + 368 = 701
        26 \times 2.5 + 3 = 68
                                                                     701 + 2 \times 368 = 701 + 736 = 1437
145.
        (3) The pattern of the number series is:
                                                            153.
                                                                     (2) The pattern of the number series is:
        586 + 1 = 587
                                                                     697 - 553 = 144 = 12^{2}
        587 + (1 - 2) = 587 - 1 = 586
                                                                     553 - 453 = 100 = 10^2
        586 + (-1 - 4) = 586 - 5 = 581
                                                                     453 - 389 = 64 = 8^2
        581 + (-5 - 6) = 581 - 11 = 570
                                                                     389 - 353 = 36 = 6^{2}
        570 + (-11 - 8) = 570 - 19 = 551
                                                                     \therefore ? = 353 - 4<sup>2</sup> = 353 - 16 = 337
        551 + (-19 - 10) = 551 - 29 = 522
                                                                     (1) The pattern of the number series is:
                                                            154.
146.
        (5) The pattern of the number series is:
                                                                     336 - 224 = 112
        64 - 10 = 54
                                                                     224 - 168 = 56
        54 + 15 = 69
                                                                     168 - 140 = 28
        69 - 20 = 49
                                                                     140 - 126 = 14
        49 + 25 = 74
                                                                     \therefore ? = 126 - 7 = 119
        74 - 30 = 44
                                                            155.
                                                                     (2) The pattern of the number series is:
        44 + 35 = 79
                                                                     9 \times 2 - 3 = 18 - 3 = 15
147.
        (2) The pattern of the number series is:
                                                                     15 \times 2 - 3 = 30 - 3 = 27
        (4000 \div 2) + 8 = 2008
                                                                     27 \times 2 - 3 = 54 - 3 = 51
        (2008 \div 2) + 8 = 1012
                                                                     51 \times 2 - 3 = 102 - 3 = 99
        (1012 \div 2) + 8 = 514
                                                                     99 \times 2 - 3 = 198 - 3 = 195
        (514 \div 2) + 8 = 265
                                                            156.
                                                                    (4) The pattern of the number series is:
148.
        (3) The pattern of the number series is:
                                                                     13 + 8 = 21
        5 \times 1 = 5
                                                                     21 + 8 + 7 = 21 + 15 = 36
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36 + 15 + 7 = 36 + 22 = 58
                                                                  \therefore ? = 627 + 17 = 644
        58 + 22 + 7 = 58 + 29 = 87
                                                         166. (4) The pattern of the number series is:
        87 + 29 + 7 = 87 + 36 = 123
                                                                 7 + 1 \times 4 = 11
                                                                  11 + (1 + 2) 4 = 11 + 3 \times 4 = 23
157. (4) The pattern of the number series is:
       7 + 2 + 0 = 9
                                                                 23 + (3 + 4) 4 = 23 + 7 \times 4 = 51
        9 + (2 + 8) = 19
                                                                  51 + (7 + 6) 4 = 51 + 13 \times 4 = 103
        19 + (10 + 16) = 45
                                                                  103 + (13 + 8) 4 = 103 + 21 \times 4 = 187
                                                          167. (4) The pattern of the number series is:
       45 + (26 + 24) = 95
       95 + (50 + 32) = 177
                                                                 18 + 9 = 27
158.
       (1) The pattern of the number series is:
                                                                 27 + (9 + 13) = 49
        14 + 1^2 = 15
                                                                 49 + (9 + 26) = 84
       15 + 2^3 = 23
                                                                 84 + (9 + 39) = 132
        23 + 3^2 = 32
                                                          168. (2) The pattern of the number series is :
        32 + 4^3 = 96
                                                                 33 + 10 = 43
        96 + 5^2 = 96 + 25 = 121
                                                                 43 + (10 + 12) = 65
159.
       (3) The pattern of the number series is:
                                                                 65 + (10 + 24) = 99
       20 + 1 \times 4 = 20 + 4 = 24
                                                                 99 + (10 + 36) = 145
                                                                  145 + (10 + 48) = 203
        24 + 3 \times 4 = 24 + 12 = 36
        36 + 5 \times 4 = 36 + 20 = 56
                                                          169.
                                                                 (5) The pattern of the number series is:
        56 + 7 \times 4 = 56 + 28 = 84
                                                                 655 - 439 = 216 = 6^3
       84 + 9 \times 4 = 84 + 36 = 120
                                                                 439 - 314 = 125 = 5^3
160.
       (2) The pattern of the number series is:
                                                                 314 - 250 = 64 = 4^3
        732 - 3 = 729 = 9^3
                                                                 250 - 223 = 27 - 3^3
                                                                 \therefore ? = 223 - 2<sup>3</sup> = 223 - 8
        1244 - 732 = 512 = 8^3
        1587 - 1244 = 343 = 7^3
                                                                 = 215
       1803 - 1587 = 216 = 6^3
                                                          170. (4) The pattern of the number series is:
        1928 - 1803 = 125 = 5^3
                                                                 15 + 6 = 21
        \therefore ? = 1928 + 4<sup>3</sup> = 1928 + 64 = 1992
                                                                 21 + 18 (= 6 + 12) = 39
161. (4) The pattern of the number series is:
                                                                 39 + 38 (= 18 + 20) = 77
       16 \times 1.5 = 24
                                                                 77 + 66 (= 38 + 28) = 143
        24 \times 2.5 = 60
                                                                  143 + 102 (= 66 + 36) = 245
        60 \times 3.5 = 210
                                                                 (1) The pattern of the number series is:
                                                         171.
        210 \times 4.5 = 945
                                                                 33 + 6 = 39
       (1) The pattern of the number series is:
162.
                                                                 39 + 18 (= 6 + 12) = 57
        (45030 \div 5) - 6 = 9000
                                                                  57 + 30 (= 18 + 12) = 87
        (9000 \div 5) - 5 = 1795
                                                                 87 + 42 (= 30 + 12) = 129
        (1795 \div 51 - 4 = 355)
                                                                  129 + 54 (= 42 + 12) = 183
       (355 \div 5) - 3 = 68
                                                         172. (1) The pattern of the number series is:
       (68 \div 5) - 2 = 13.6 - 2 = 11.6
                                                                  19 - 15 = 4 = 2^2
                                                                 83 - 19 = 64 = 4^3
163.
       (1) The pattern of the number series is:
        5 \times 1 + 1 \times 7 = 12
                                                                  119 - 83 = 36 = 6^2
                                                                 631 - 119 = 512 = 8^3
       12 \times 2 + 2 \times 6 = 36
                                                                  \therefore ? = 631 + 10<sup>2</sup> = 631 + 100 = 731
        36 \times 3 + 3 \times 5 = 123
                                                         173.
       123 \times 4 + 4 \times 4 = 492 + 16 = 508
                                                                 (3) The pattern of the number series is:
        508 \times 5 + 5 \times 3 = 2540 + 15 = 2555
                                                                  19 + 1 \times 7 = 19 + 7 = 26
164.
       (4) The pattern of the number series is:
                                                                 26 + 2 \times 7 = 26 + 14 = 40
        8 \times 0.5 + 7 = 4 + 7 = 11
                                                                 40 + 4 \times 7 = 40 + 28 = 68
        11 \times 1 + 6 = 17
                                                                 68 + 8 \times 7 = 68 + 56 = 124
        17 \times 1.5 + 5 = 25.5 + 5 = 30.5
                                                                  124 + 16 \times 7 = 124 + 112
       30.5 \times 2 + 4 = 61 + 4 = 65
                                                                 = 236
165.
       (5) The pattern of the number series is:
                                                         174.
                                                                 (5) The pattern of the number series is:
        389 - 117 = 272
                                                                 69 - 43 = 26
        525 - 389 = 136
                                                                 58 - 69 = - 11
       593 - 525 = 68
                                                                 84 - 58 = 26
        627 - 593 = 34
                                                                 73 - 84 = -11
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∴ ? = 73 + 26 = 99
                                                                  17 + 5 \times 3 = 32
175. (4) The pattern of the numbe series is:
                                                                  32 + 5 \times 5 = 57
                                                                  57 + 5 \times 7 = 92
        15 + 3 = 18
       18 - 2 = 16
                                                                 92 + 5 \times 9 = 137
        16 + 3 = 19
                                                          183. (4) The pattern of the number series is:
        19 - 2 = 17
                                                                  19 + 2 \times 3 = 19 + 6 = 25
        17 + 3 = 20
                                                                 25 + 4 \times 5 = 25 + 20 = 45
       20 - 2 = 18
                                                                 45 + 6 \times 7 = 45 + 42 = 87
                                                                  87 + 8 \times 9 = 87 + 72 = 159
176.
       (1) The pattern of the number series is:
                                                                  159 + 10 \times 11 = 159 + 110 = 269
        1050 \times \frac{1}{5} = 420
                                                          184.
                                                                 (5) The pattern of the number series is:
                                                                  83 + 41 \times 1 = 124
                                                                  124 + 41 \times 2 = 124 + 82 = 206
        420 \times \frac{1}{5} = 168
                                                                  206 + 41 \times 4 = 206 + 164 = 370
                                                                  370 + 41 \times 8 = 370 + 328 = 698
        168 \times \frac{2}{5} = 67.2
                                                                  698 + 41 × 16 = 698 + 656 = 1354
                                                          185.
                                                                 (4) The pattern of the number series is:
                                                                  1 \times 7 = 7
       10.752 \times \frac{2}{5} = 4.3008
                                                                  7 \times 7 = 49
                                                                  49 \times 7 = 343
177.
       (5) The pattern of the number series is:
                                                                  343 \times 7 = 2401
       0 + 1 \times 6 = 6
                                                          186.
                                                                 (4) The pattern of the number series is:
        6 + 2 \times 9 = 24
                                                                  13 + 7 = 20
       24 + 3 \times 12 = 60
                                                                  20 + 19 (= 7 + 12) = 39
        60 + 4 \times 15 = 120
                                                                  39 + 39 (=19 + 20) = 78
       120 + 5 \times 18 = 210
                                                                  78 + 67 (= 39 + 28) = 145
       210 + 6 \times 21 = 210 + 126 = 336
                                                                  145 + 103 (= 67 + 36) = 248
178.
       (3) The pattern of the number series is:
                                                          187.
                                                                  (1) The pattern of the number series is:
       32 + 1 \times 17 = 32 + 17 = 49
                                                                  12 + 1 \times 23 = 35
       49 + 2 \times 17 = 49 + 34 = 83
                                                                  35 + 2 \times 23 = 35 + 46 = 81
       83 + 4 \times 17 = 83 + 68 = 151
                                                                  81 + 2 \times 46 = 81 + 92 = 173
        151 + 8 \times 17 = 151 + 136 = 287
                                                                  173 + 2 \times 92 = 173 + 184 = 357
        287 + 16 \times 17 = 287 + 272 = 559
                                                                  357 + 2 × 184 = 357 + 368 = 725
        559 + 32 \times 17 = 559 + 544 = 1103
                                                          188.
                                                                 (5) The pattern of the number series is:
179.
       (2) The pattern of the number series is:
                                                                  3 + 97 = 100
       552 - 462 = 90
                                                                  100 + 197 = 297
       650 - 552 = 98
                                                                  297 + 297 = 594
       756 - 650 = 106
                                                                  594 + 397 = 991
       870 - 756 = 114
                                                                  991 + 497 = 1488
       992 - 870 = 122
                                                          189.
                                                                  (3) The pattern of the number series is:
        ∴ ? = 992 + 130 = 1122
                                                                  112 + 1 \times 7 = 119
180.
       (3) The pattern of the number se ries is:
                                                                  119 + 3 \times 7 = 119 + 21 = 140
        28 + 11 = 39
                                                                  140 + 5 \times 7 = 140 + 35 = 175
       39 + 24 (= 11 + 13) = 63
                                                                  175 + 7 \times 7 = 175 + 49 = 224
        63 + 39 (= 24 + 15) = 102
                                                                  224 + 9 \times 7 = 224 + 63 = 287
        102 + 56 (= 39 + 17) = 158
                                                          190.
                                                                 (2) The pattern of the number series is:
        158 + 75 (= 56 + 19) = 233
                                                                  958 - 833 = 125
181.
       (5) The pattern of the number series is:
                                                                  833 - 733 = 100
        7 + 3^2 = 7 + 9 = 16
                                                                  733 - 658 = 75
        16 + 5^3 = 16 + 125 = 141
                                                                  658 - 608 = 50
        141 + 7^2 = 141 + 49 = 190
                                                                  ∴ ? = 608 - 25 = 583
        190 + 9^3 = 190 + 729 = 919
                                                          191.
                                                                 (4) The pattern of the number series is:
        919+ 11<sup>2</sup> = 919 + 121 = 1040
                                                                  11 \times 1 - 1 = 10
182.
       (3) The pattern of the number series is:
                                                                  10 \times 2 - 2 = 18
        12 + 5 \times 1 = 17
                                                                  18 \times 3 - 3 = 51
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51 \times 4 - 4 = 200
                                                                 18 \times 4 - 36 = 72 - 36 = 36
       200 \times 5 - 5 = 995
                                                                 36 \times 4 - 42 = 144 - 42 = 102
192. (1) The pattern of the number series is :
                                                                 102 \times 4 - 48 = 408 - 48 = 360
                                                                 360 \times 4 - 54 = 1440 - 54 = 1386
       25 \times 2 - 2 = 50 - 2 = 48
       48 \times 2 - 2 = 96 - 2 = 94
                                                         200. (4) The pattern of the number series is:
                                                                 7 \times 2 - 2 = 12
       94 \times 2 - 2 = 188 - 2 = 186
        186 \times 2 - 2 = 372 - 2 = 370
                                                                 12 \times 4 - (2 + 6) = 48 - 8 = 40
       370 \times 2 - 2 = 740 - 2 = 738
                                                                 40 \times 6 - (8 + 10) = 240 - 18 = 222
193. (2) The pattern of the number series is :
                                                                 222 \times 8 - (18 + 14) = 1776 - 32
        14 + 10 = 24
                                                                 = 1744 ≠ 1742
        24 + 19 (=10 + 9) = 43
                                                                 1744 \times 10 - (32 + 18) = 17440 - 50 = 17390
        43 + 28 (= 19 + 9) = 71
                                                         201. (3) The pattern of the number series is :
       71 + 37 (= 28 + 9) = 108
                                                                 6 \times 7 + 7^2 = 42 + 49 = 91
       108 + 46 (=37 + 9) = 154
                                                                 91 \times 6 + 6^2 = 546 + 36 = 582
194.
       (5) The pattern of the number series is:
                                                                 582 \times 5 + 5^2 = 2910 + 25 = 2935
        144 + 29 = 173
                                                                 2935 \times 4 + 4^2 = 11740 + 16 = 11756
        173 - 33 = 140
                                                                 11756 \times 3 + 3^2 = 35268 + 9 = 35277
        140 + 29 = 169
                                                         202. (5) The pattern of the number series is :
       169 - 33 = 136
                                                                 9050 - 15^3 = 9050 - 3375 = 5675
       136 + 29 = 165
                                                                 5675 - 13^3 = 5675 - 2197 = 3478
195. (2) The pattern of the number series is:
                                                                 3478 - 11^3 = 3478 - 1331 = 2147
       8 + 2 = 10
                                                                 2147 - 9^3 = 2147 - 729 = 1418
        10 + 8 (= 2 \times 3 + 2) = 18
                                                                 1418 - 7^3 = 1418 - 343 = 1075 \neq 1077
                                                         203. (4) The pattern of the number series is :
        18 + 26 (= 3 \times 8 + 2) = 44
       44 + 80 (=3 \times 26 + 2) = 124
                                                                 1 = 1
                                                                 2^2 = 4
        124 + 242 (= 3 \times 80 + 2) = 366
196. (4) The pattern of the number series is :
                                                                 3^3 = 27 \neq 25
        13 + 1 \times 12 = 13 + 12 = 25
                                                                 4^4 = 256
        25 + 3 \times 12 = 25 + 36 = 61
                                                                 5^5 = 3125
        61 + 5 \times 12 = 61 + 60 = 121
                                                                 6^6 = 46656
        121 + 7 \times 12 = 121 + 84 = 205
                                                         204.
                                                                 (2) The pattern of the number series is:
       205 + 9 \times 12 = 205 + 108
                                                                 8424 \div 2 = 4212
                                                                 4212 \div 2 = 2106
197. (1) The pattern of the number series is:
                                                                 2106 \div 2 = 1053 \neq 1051
                                                                 1053 \div 2 = 526.5
                                                                 526.5 \div 2 = 263.25
         \frac{1}{2} + 24 = 328 + 24 = 352
                                                         205.
                                                                 (1) The pattern is:
                                                                 5531 - 5506 = 25 = 5^2
         \frac{1}{2} + 24 = 176 + 24 = 200
                                                                 5555 - 5506 = 49 = 7^2
                                                                 5506 - 5425 = 81 = 9^2
                                                                 5425 - 5304 = 121 = 11^2
         <del>2</del> + 24 = 100 + 24 = 124
                                                                 5304 - 5135 = 169 = 13^{2}
                                                                 5135 - 4910 = 225 = 15^2
         2+24 = 62 + 24 = 86
                                                                 4910 - 4621 = 289 = 172
                                                                 Clearly, 5531 is wrong which should be
                                                                 substituted by 5555.
        <del>2</del> + 24 = 43 + 24 = 67
                                                         206.
                                                                 (2) The pattern is:
                                                                 6 + 1 = 7
198.
       (3) The pattern of the number series is:
                                                                 7 + 1 \times 2 = 9
        454 + 18 = 472
                                                                 9 + 2 \times 2 = 13
       472 - 27 = 445
                                                                 13 + 8 = 21 \neq 26
        445 + 18 = 463
                                                                 21 + 16 = 37
       463 - 27 = 436
                                                                 37 + 32 = 69
       436 + 18 = 454
                                                         207.
                                                                 (4) The pattern is:
199. (2) The pattern of the number series is:
                                                                 1 \times 1 + 2 = 3
       12 \times 4 - 30 = 48 - 30 = 18
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3 \times 2 + 4 = 10
        10 \times 3 + 6 = 36
        36 \times 4 + 8 = 152
        152 \times 5 + 10 = 770 \neq 760
        770 \times 6 + 12 = 4632
208.
       (3) The pattern is:
        4 + 1^3 = 5
        5 + 2^3 = 13
        13 + 3^3 = 40
        40 + 4^3 = 104 \neq 105
        104 + 5^3 = 229
        229 + 6^3 = 445
209. (1) The pattern is :
        157.5 \div 3.5 = 45
        45 \div 3 = 15
        15 \div 2.5 = 6
        6 \div 2 = 3
        3 \div 1.5 = 2
        2 \div 1 = 2 \neq \mathbf{1}
210. (2) The pattern is:
        123 + 11 \times 14 = 123 + 154 = 277
        277 + 13 \times 14 = 277 + 182 = 459
        459 + 15 \times 14 = 459 + 210 = 669
        669 + 17 \times 14 = 669 + 238 = 907
        907 + 19 \times 14 = 907 + 266
        = 1173
211. (2) The pattern is:
        456.5 - 407 = 49.5
        407 - 368.5 = 38.5
        368.5 - 341 = 27.5
        341 - 324.5 = 16.5
        \therefore ? = 324.5 - 5.5 = 319
212.
        (1) The pattern is:
        23 + 1 \times 19.2 = 42.2
        42.2 + 2 \times 19.2 = 80.6
        80.6 + 4 \times 19.2 = 157.4
        157.4 + 8 \times 19.2 = 311
        311 + 16 \times 19.2 = 311 + 307.2
        = 618.2
213. (5) The pattern is :
        154 - 36 = 118
        232 - 154 = 78
        278 - 232 = 46
        300 - 278 = 22
        · ? - 300 = 6
        ⇒ ? = 306
        (4) The pattern is;
214.
        24 + 8^3 = 24 + 512 = 536
        536 - 7^2 = 536 - 49 = 487
        487 + 6^3 = 487 + 216 = 703
        703 - 5^2 = 703 - 25 = 678
        678 + 4^3 = 678 + 64 = 742
215.
       (3) The pattern is:
        576 - 224 = 352
        752 - 576 = 176
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840 - 752 = 88
        884 - 840 = 44
        · ? = 884 + 22 = 906
216. (1) The pattern is:
        5 \times 1 + 1^2 = 5 + 1 = 6
        6 \times 2 + 2^2 = 12 + 4 = 16
        16 \times 3 + 3^2 = 48 + 9 = 57
        57 \times 4 + 4^2 = 228 + 16 = 244
217. (4) The pattern is:
        12 \times 4 = 48
        48 \times 3.5 = 168
        168 \times 3 = 504
        504 \times 2.5 = 1260
        1260 \times 2 = 2520
218. (5) The pattern is:
        4 \times 2 + 1 = 8 + 1 = 9
        9 \times 3 + 2 = 27 + 2 = 29
        29 \times 4 + 3 = 116 + 3 = 119
        119 \times 5 + 4 = 595 + 4 = 599
        599 \times 6 + 5 = 3594 + 5 = 3599
219. (3) The pattern is:
        177 - 7 = 170
        170 - 11 = 159
        159 - 13 = 146
        146 - 17 = 129
        129 - 19 = 110
       Note: Consecutive prime numbers have
       been subtracted.
220. (3) The pattern is:
        2 + 1^3 = 2 + 1 = 3
        3 + 2^3 = 3 + 8 = 11
        11 + 3^3 = 11 + 27 = 38
        38 + 4^3 = 38 + 64 = 102
        102 + 5^3 = 102 + 125 = 227
221. (1) The pattern of the number series is:
        21 \times 0.5 = 10.5
        10.5 \times 1 = 10.5
        10.5 \times 1.5 = 15.75
        15.75 \times 2 = 31.50
        31.50 \times 2.5 = 78.75
222. (2) The pattern of the number series is:
        6 + 1 \times 13 = 6 + 13 = 19
        19 + 3 \times 13 = 19 + 39 = 58
        58 + 5 \times 13 = 58 + 65 = 123
        123 + 7 \times 13 = 123 + 91 = 214
        214 + 9 \times 13 = 214 + 117 = 331
223.
       (3) The pattern of the number series is:
        14 + 1 \times 2 = 16
        16 + 3 \times 4 = 16 + 12 = 28
        28 + 5 \times 6 = 28 + 30 = 58
        58 + 7 \times 8 = 58 + 56 = 114
        114 + 9 \times 10 = 114 + 90 = 204
       (4) The pattern of the number series is:
224.
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 $13.76 + 1 \times 1.15 = 14.91$

 $14.91 + 2 \times 1.15 = 14 + 2.30 = 17.21$

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17.21 + 3 \times 1.15 = 17.21 + 3.45 = 20.66
                                                                   772 \times 6 + 2 = 4634
        20.66 + 4 \times 1.15 = 20.66 + 4.60 = 25.26
                                                                   Therefore, the number 914 is wrong.
        25.26 + 5 \times 1.15 = 25.26 + 5.75 = 31.01
                                                                   .. According to question, the new series is
225. (5) The pattern of the number series is:
                                                                   as follows:
        15 + 1^2 = 16
                                                                   914 \times 1 + 2 = 916
        16 + 2^3 = 16 + 8 = 24
                                                                   916 \times 2 + 2 = 1834
        24 + 3^2 = 24 + 9 = 33
                                                                   1834 \times 3 + 2 = 5504
        33 + 4^3 = 33 + 64 = 97
                                                                   Therefore, the required number is 1834.
        97 + 5^2 = 97 + 25 = 122
                                                           2.
                                                                   (3) The series is based on following pattern:
226.
                                                                   3 \times 1 + 1 = 4
        (5) The pattern is:
        2 \times 3 = 6
                                                                   4 \times 2 + 2 = 10
        6 \times 2.5 = 15
                                                                   10 \times 3 + 3 = 33
        15 \times 2 = 30
                                                                   33 \times 4 + 4 = 136
        30 \times 1.5 = 45
                                                                   136 \times 5 + 5 = 685
        45 \times 1 = 45 \neq 43.5
                                                                   685 \times 6 + 6 = 4116
        45 \times 0.5 = 22.5
                                                                   Therefore, the number 34 is wrong.
227.
        (3) The pattern is:
                                                                   : According to question, the new series
        950 - 661 = 289 = 17^2
                                                                   starts from the number 34 in the same
        661 - 436 = 225 = 15^2
                                                                   pattern.
        436 - 269 = 167 \neq 13^2
                                                                   34 \times 1 + 1 = 35
        \therefore 436 - 267 = 169 = 13<sup>2</sup>
                                                                   35 \times 2 + 2 = 72
        267 - 146 = 121 = 11^{2}
                                                                   Hence, the number 72 is required answer.
        146 - 65 = 81 = 9^2
                                                           3.
                                                                   (4) The series is based on following pattern:
228.
        (5) The pattern is:
                                                                   214 - (14)^2 = 18
        6.5 + 5.3 = 11.8
                                                                   18 + (12)^2 = 162
        11.8 + 2 \times 5.3 = 11.8 + 10.6 = 22.4
                                                                   162 - (10)^2 = 62
        22.4 + 3 \times 5.3 = 22.4 + 15.9 = 38.3
                                                                   62 + (8)^2 = 126
        38.3 + 4 \times 5.3 = 38.3 + 21.2 = 59.5
                                                                   126 - (6)^2 = 90
        59.5 + 5 \times 5.3 = 59.5 + 26.5 = 86
                                                                   90 + (4)^2 = 106
        ≠ 87.3
                                                                   Therefore the number 143 is wrong.
        86 + 6 \times 5.3 = 86 + 31.8 = 117.8
                                                                   : According to question, the new series
229.
        (5) The pattern is:
                                                                   starts from the number 143 in
        1 \times 3 - 1 = 2
                                                                   143 - (14)^2 = -53
        2 \times 3 - 2 = 4
                                                                   -53 + (12)^2 = 91
        4 \times 3 - 3 = 9
                                                                   Hence, the number 91 is required answer.
        9 \times 3 - 4 = 23
                                                           4.
                                                                   (5) The series in based on following pattern:
        23 \times 3 - 5 = 69 - 5 = 64 \neq 69
                                                                   160 \times 0.5 = 80
        64 \times 3 - 6 = 192 - 6 = 186
                                                                   80 \times 1.5 = 120
230.
        (5) The pattern is:
                                                                   120 \times 2.5 = 300
        250 - 11 = 239
                                                                   300 \times 3.5 = 1050
        239 - (11 \times 2 + 1) = 239 - 23 = 216
                                                                   1050 \times 4.5 = 4725
        216 - (11 \times 3 + 2) = 216 - 35 = 181
                                                                   4725 \times 5.5 = 25987.5
        181 - (11 \times 4 + 3)
                                                                   Therefore, the number 180 is wrong.
        = 181 - 47 = 134 ≠ 136
                                                                   : According to question, the new series
        134 - (11 \times 5 + 4)
                                                                   starts from the number 180 in the same
        = 134 - 59 = 75
                                                                   pattern:
        75 - (11 \times 6 + 58)
                                                                   180 \times 0.5 = 90
        = 75 - 71 = 4
                                                                   90 \times 1.5 = 135
                     SBI PO EXAMS
                                                                   Hence, the number 135 is required answer.
                                                                   (1) The series is based on following pattern:
        (3) The series is based on following pattern: 5.
                                                                   2 + 1^2 - 0 = 3
        3 \times 1 + 2 = 5
                                                                   3 + 2^2 - 1 = 6
        5 \times 2 + 2 = 12
                                                                   6 + 3^2 - 2 = 13
        12 \times 3 + 2 = 38
                                                                   13 + 4^2 - 3 = 26
        38 \times 4 + 2 = 154
                                                                   26 + 5^2 - 4 = 47
        154 \times 5 + 2 = 772
```

13.

14.

15.

$$47 + 6^2 - 5 = 78$$

Therefore, the number 7 is wrong. According to question, the new series starts from the number 7 in the same pattern.

$$7 + 1^1 - 0 = 8$$

$$8 + 2^2 - 1 = 11$$

Hence, the number 11 is required answer.

6. (4) The series is based on following pattern:

$$2 \times 1 + 1^2 = 3$$

$$3 \times 2 + 2^2 = 10$$

$$10 \times 3 + 3^2 = 39$$

$$39 \times 4 + 4^2 = 172$$

$$172 \times 5 + 5^2 = 885$$

Similarly, the new series is as follows:

$$1 \times 1 + 12 = 2....(a)$$

$$2 \times 2 + 2^2 = 8.....(b)$$

$$8 \times 3 + 3^2 = 33 \dots (c)$$

Therefore, the number 8 will come in place of (b).

7. (2) The series is based on the following pattern:

$$5 \times 1 + 2 = 7$$

$$7 \times 2 - 4 = 10$$

$$10 \times 3 + 6 = 36$$

$$36 \times 4 - 8 = 136$$

$$136 \times 5 + 10 = 690$$

Similarly, the new series is as follows:

$$2 \times 1 + 2 = 4$$
(a)

$$4 \times 2 - 4 = 4$$
(b)

$$4 \times 3 + 6 = 18$$
(c)

$64 \times 51 + 10 = 330$(e)

Therefore, the number 330 will come in palce of (e).

8. (5) The series is based on following pattern:

$$8 \times 0.5 = 4$$

$$4 \times 1.5 = 6$$

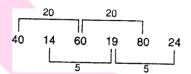
$$6 \times 2.5 = 15$$

$$15 \times 3.5 = 52.6$$

$$52.5 \times 4.5 = 236.25$$

Therefore, the number 236.25 will come in place of (d).

9. (3) Interchanging (3) and (5)



10. (3) Interchanging (3) and (5)

11. (4) The series is based on following pattern $2 \times 1 + (1)^2 = 3$

$$3 \times 2 - (2)^2 = 2$$

$$2 \times 3 + (3)^2 = 15$$

$$15 \times 4 - (4)^2 = 44$$

$$44 \times 5 + (5)^2 = 245$$

$$245 \times 6 - (6)^2 = 1434$$

Similarly,

$$3 \times 1 + (1)^2 = 4$$
(a)

$$4 \times 2 - (2)^2 = 4$$
(b)

$$4 \times 3 + (3)^2 = 21$$
(c)

$$21 \times 4 - (4)^2 = 68$$
(d)

Therefore, the 21 will come in place of (c).

$$1 \times 1 + (1)^2 = 2$$

$$2 \times 2 + (2)^2 = 8$$

$$8 \times 3 + (3)^2 = 33$$

$$33 \times 4 + (4)^2 = 148$$

$$148 \times 5 + (5)^2 = 765$$

$$765 \times 6 + (6)^2 = 4626$$

Similarly,

$$2 \times 1 + (1)^2 = 3$$
(a)

$$3 \times 2 + (2)^2 = 10$$
(b)

$$10 \times 3 + (3)^2 = 39$$
(c)

$$39 \times 4 + (4)^2 = 172$$
(d)

Therefore, the number 172 will come in place of (d).

(5) The series is based on following pattern:

$$2 \times 2 + 0.5 = 4.5$$

$$4.5 \times 2 + (0.5) \times 4 = 11$$

$$11 \times 2 + 2 \times 4 = 30$$

$$30 \times 2 + 8 \times 4 = 92$$

$$92 \times 2 + 32 \times 4 = 312$$

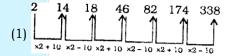
$$312 \times 2 + 128 \times 4 = 1136$$

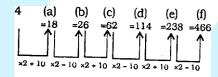
Similarly,

$$1 \times 2 + 0.5 = 2.5$$
(a)

$$2.5 \times 2 + (0.5) \times 4 = 7$$
(b)

Therefore, the number 7 wil come in place of (b)





In the given series 176 should be replace br 174.238 will come in place of (e)

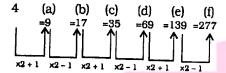


24.

25.

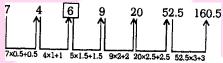
26.

27.



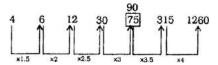
In the given series 7 should be replaced by 5. and 277 should come in place of (f).

(1) The given number series is based on the 16. following pattern



Hence the wrong number is 6

17. (2) The given number series is based on the following pattern:



Hence, the wrong number is 75

18. (4)The given number series is basei on the following pattern

$$4 - 3 = 1^{2}$$
 $13 - 4 = 9 = 32$
 $38 - 13 = 25 = 5^{2}$
 $87 - 38 = 49 = 7^{2}$
 $168 - 87 = 81 = 9^{2}$

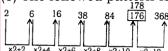
 $289 - 168 = 121 = 11^{2}$ Obviously, 166 is the wrong number.

19. (3) The number series follows the rule as mentioned below:



Hence 29 is the wrong number.

20. (5) The followed pattern is:



Hence the wrong number is 176

21. (4) The given series is based on the following pattern

$$2 \times 3 = 6$$

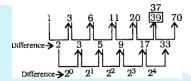
 $6 \times 3 = 18$

 $18 \times 6 \neq 109 \text{ but } 108$ $108 \times 18 = 1944$

 $1944 \times 108 = 209952$

Obviously, 109 is the wrong number and it should be replaced with 108.

22. (2) The given series is based on the following pattern:



Obviously, 39 is the wrong number and it should be replaced with 37.

(1) The given series is based on the following pattern:

$$2 \times 2 + 7 = 11 \text{ (not 13)}$$

 $11 \times 3 - 6 = 27$

$$27 \times 4 + 5 = 113$$

 $113 \times 5 - 4 = 561$

Obviously the number 13 is wrong and it should be replaced with 11.

(4) The given series is based on the following pattern.

$$50 + (1^2) = 51$$

 $51 - (2^2) = 47$

$$47 + (3^2) = 56$$

$$56 - (4^2) = 40 \text{ (not } 42)$$

$$40 + (5^2) = 65$$

Obviously, the number 42 is wrong and it should be replaced with 40.

(3) The given series is based on the following pattern:

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

$$9 \times 3 - 4 = 23$$

$$23 \times 4 + 5 = 97$$
 (not 99)

$$97 \times 5 - 6 = 479$$

Obviously, the number 99 is wrong and it should be replaced with 97.

(1) The given series is based on the following pattern:

$$2 + 3 = 5$$

$$5 + 3 = 8$$

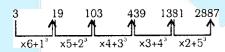
$$8 + 5 = 13$$

$$13 + 8 = 21$$

$$21 + 13 = 34$$

Obviously, the number 4 is wrong and it should be replaced with 3.

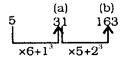
(2) The given series is based on the following pattern:



Similarly,

34.

35.



Hence, 163 will come in place of (b).

28. (1) The give n se rie s is base d on the following pattern

$$13 = 4 \times 1 + 1 \times 9$$

$$40 = 13 \times 2 + 2 \times 7$$

$$135 = 40 \times 3 + 3 \times 5$$

$$552 = 135 \times 4 + 4 \times 3$$

$$2765 = 552 \times 5 + 5 \times 1$$

Similarly,

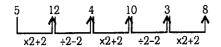
(a) =
$$2 \times 1 + 1 \times 9 = 11$$

(b) =
$$11 \times 2 + 2 \times 7 = 36$$

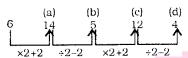
(c) =
$$36 \times 3 + 3 \times 5 = 123$$

Hence, 123 will come in place of (c).

29. (3) The given series is based on the following pattern:

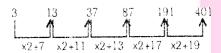


Similarly,



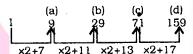
Hence, 4 will come in place of (d).

30. (4) The given series is based on the following pattern:



7, 11, 13, 17, 19, are consecutive prime numbers)

Similarly,

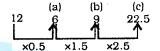


Hence, 159 will come in place of (d).

31. (3) The given series is based on the following pattern:



Similarly,



Hence, 22.5 will come in place of (c).

(3) The given series is based on the following pattern:

$$9 \times 2 + 1.5 = 19.5$$

$$19.5 \times 2 + 2 = 41$$

$$41 \times 2 + 2.5 = 84.5$$

Therefore, the new series is as follows:

$$12 \times 2 + 1.5 = 25.5$$
(a)

$$25.5 \times 2 + 2 = 53$$
(b)

$$53 \times 2 + 2.5 =$$
108.5(c)

$$108.5 \times 2 + 3 = 220$$
(d)

$$220 \times 2 + 3.5 = 443.5$$
(e)

Therefore, the number 108.5 will come in place of (C) in the new series.

(1) The series is based on following pattern:

$$4 \times 1 + 1 = 5$$

$$\downarrow + 3$$

$$5 \times 4 + 2 = 22$$

$$22 \times 9 + 3 = 201$$

Similarly the new series is as follows:

$$7 \times 1 + 1 = 8$$
(a)

$$8 \times 4 + 2 = 4$$
(b)

$$8 \times 4 + 2 = 4$$
(b)
 $34 \times 9 + 3 = 309$ (c)

$$309 \times 16 + 4 = 4948 \dots (d)$$

Therefore, the number 4948 will come in place of (d) in the new series.

(2) The series is based on following pattern:

$$5 \times 1 + 0.25 \times 1 = 5.25$$

$$\downarrow$$
 + 3
5.25 × 2 + 0.25 × 4 = 11.5
 \downarrow + 5

$$11.5 \times 3 + 0.25 \times 9 = 36.75$$

Similarly, the new series is as follows.

$$3 \times 1 + 0.25 \times 1 = 3.25$$
(a)

$$3.25 \times 2 + 0.25 \times 4 = 7.5$$
(b)

$$7.5 \times 3 + 0.25 \times 9 =$$
24.75(c)

Therefore, the number 24.75 will come in place of (c) in the new series.

(4) The series is based on following pattern:

$$38 \times 0.5 = 19$$

$$19 \times 1.5 = 28.5$$

$$28.5 \times 2.5 = 71.25$$

Similarly, the new series is as follows:

$$18 \times 0.5 = 9$$
(a)

$$9 \times 1.5 = 13.5$$
(b)

$$13.5 \times 2.5 = 33.75 \dots$$
 (c)

$$33.75 \times 3.5 = 118.125....(d)$$

Therefore, the number 118.125 will come

43.

44.

46.

in place of (d) in the new series.

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36. (3) The series is based on following pattern:
```

$$25 + (11)^2 \Rightarrow 25 + 121 = 146$$

 $146 - (9)^2 \Rightarrow 146 - 81 = 65$
 $65 + (7)^2 \Rightarrow 65 + 49 = 114$

Similarly, the new series is as follows:

$$39 + (11)^2 \Rightarrow 39 + 121$$

= 190.....(a)

$$160 - (9)^2 \Rightarrow 160 - 81$$

$$79 + (7)^2 \Rightarrow 79 + 49$$

$$= 128 \dots (c)$$

$$128 + (5)^2 \Rightarrow 128 - 25$$

$$103 + (3)^2 \Rightarrow 103 + 9$$

Therefore, the number 112 will come in place of (e) in new series.

37. (1) The given series is based on following pattern

$$15 - 10 = 5$$

$$24 - 15 = 9$$

$$37 - 24 = 13$$

$$54 - 37 = 17$$

$$75 - 54 = 21$$

 $100 - 75 = 25$

38. (5) Here the middle number = difference of succeeding number and preceding number.

i.e.,
$$4 - 1 = 3$$

$$7 - 3 = 4$$

$$11 - 4 = 7$$

$$18 - 7 = 11$$

$$27 - 11 = 16$$

Here the sequence gets disturbed

$$47 - 18 = 29$$

Hence, 27 is the wrong number.

39. (5) The sequence is based on following pattern:

$$3 \times 0.5 + 0.5 = 2$$

$$2 \times 1 + 1 = 3$$

$$3 \times 1.5 + 1.5 = 6$$

$$6 \times 2 + 2 = 14$$

$$14 \times 2.5 + 2.5 = 37.5$$

$$37.5 \times 3 + 3 = 115.5$$

Obviously, 12 is the wrong number.

40. (4) $32431 = 7 \times 4626 + 7^2$

$$4626 = 6 \times 765 + 6^2$$

$$765 = 5 \times 148 + 5^2$$

$$148 = 4 \times 32 + 4^2$$

But
$$148 = 4 \times 33 + 4^2$$

$$33 = 3 \times 8 + 3^2$$

$$8 = 2 \times 2 + 2^2$$

Obviously 32 is the wrong number.

41. (2) The sequence is based on following pattern:

$$3 - 2 = 1^3$$

$$11 - 3 = 8 = 2^3$$

$$38 - 11 = 27 = 3^3$$

$$102 - 38 = 64 = 4^3$$

But,

$$229 - 102 = 127 \neq 5^3$$

$$227 - 102 = 125 = 5^3$$

$$443 - 227 = 216 = 6^3$$

Obviously 229 is the wrong number.

(5) The given number series is based on the following pattern:

$$7413 + 9 \times 1 = 7422$$

$$7422 + 9 \times 2 = 7440$$

$$7440 + 9 \times 3 = 7467$$

$$7467 + 9 \times 4 = 7503$$

Hence, 7467 will replace the question mark.

(4) The given number series is based on the following pattern:

$$4 = 2^2$$
; $16 = 4^2$;

$$36 = 6^2$$
; $64 = 8^2$;

$$100 = 10^2$$
.

$$\therefore$$
 ? = 12^2 = **144**

Hence, 144 will replace the question mark.

(1) The given number series is based on the following pattern:

$$12 \times 3 - 3 = 33$$

$$33 \times 3 - 3 = 96$$

$$285 \times 3 - 3 = 852$$

Hence, 285 will replace the question mark.

45. (3) The given number series is based on the following pattern:

$$70000 \div 5 = 14000$$

$$14000 \div 5 = 2800$$

$$2800 \div 5 = 560$$

$$560 \div 5 = 112$$

$$112 \div 5 = 22.4$$

Hence, 560 will replace the question mark.

(2) The given number series is based on the following pattern:

$$102 - 3 = 99$$

$$99 + 5 = 104$$

$$104 - 7 = 97$$

$$97 + 9 = 106$$

Hence, 95 will replace the question mark.

47. (4) The given number series is based on the following pattern

93 + 2 (prime number) = 95

$$95 + 3 = 98 \neq 99$$

56.

57.

103 + 7 = 110110 + 11 = 121

121 + 13 = 134

Hence, 103 will replace the question mark 48. (5) The given number series is based on the

 $12 \times 1.5 = 18$

 $18 \times 1.5 = 27 \neq 26$

 $27 \times 1.5 = 40.5$

 $40.5 \times 1.5 = 60.75$

 \therefore ? = 60.75 × 1.5 = **91.125**

Hence, 91.125 will replace the question mark.

49. (5) The given number series is based on the following pattern: 4 + 7 = 11

11 + 7 = 18

 $18 + 11 = 29 \neq 28$

∴ ? = 29 + 18 = **47**

Hence, 47 will replace the question mark.

50. (1) The given number series is based on the following pattern:

 $3 \times 2 + 2^2 = 10$

 $10 \times 3 + 3^2 = 39$

 $39 \times 4 + 4^2 = 172$

 $172 \times 5 + 5^2 = 885 \neq 886$

 $885 \times 6 + 6^2 = 5346$

Hence, 39 will replace the question mark.

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

 $15 \times 1 + 1 \times 7 = 22$

 $22 \times 2 + 2 \times 6 = 56 \neq 57$

 $56 \times 3 + 3 \times 5 = 183$

183 × 4 + 4 × 4 = **748**

 $748 \times 5 + 5 \times 3 = 3755$

 $3755 \times 6 + 6 \times 2 = 22542$

Hence, 748 will replace the question mark.

52. (4) The pattern of the number series is: 58.

 $3601 \div 1 + 1 = 3602$

 $3602 \div 2 + 2 - 1801 + 2 = 1803$

 $1803 \div 3 + 3 - 601 + 3 - 604$

 $604 \div 4 + 4 = 151 + 4 = 155 \neq$ **154**

 $155 \div 5 + 5 = 31 + 5 = 36$

 $36 \div 6 + 6 = 6 + 6 = 12$

53. (2) The pattern of the number series is:

 $4 \times 2 + 2^2 = 8 + 4 = 12$

 $12 \times 3 + 3^2 = 36 + 9 = 45 \neq 42$

 $45 \times 4 + 4^2 = 180 + 16 = 196$

 $196 \times 5 + 5^2 = 980 + 25 = 1005$

 $1005 \times 6 + 6^2 = 6030 + 36 = 6066$

54. (1) The pattern of the number series is:

 $2 + 4 = 6 \neq 8$

6 + 6 = 12

12 + 8 = 20

20 + 10 = 30

30 + 12 = 42

(5) The pattern of the number series is:

$$32 \times \frac{1}{2} = 16$$

 $16 \times \frac{3}{2} = 24$

$$24 \times \frac{5}{2} = 60 \neq 65$$

$$60 \times \frac{7}{2} = 210$$

$$210 \times \frac{9}{2} = 945$$

$$945 \times \frac{11}{2} = 5197.5$$

(4) The pattern of the number series is:

 $7 \times 2 - 1 = 14 - 1 = 13$

 $13 \times 2 - 1 = 26 - 1 = 25$

 $25 \times 2 - 1 = 50 - 1 = 49$

49 × 2 - 1 = 98 - 1 = 97

 $97 \times 2 - 1 = 194 - 1 = 193 \neq 194$

193 × 2 - 1 = 386 - 1 = 385

(1) The pattern of the given series Is:

 $37 \times 0.5 + 0.5 = 18.5 + 0.5 = 19$

 $19 \times 1 + 1 = 19 + 1 - 20$

 $20 \times 1.5 + 1.5 = 30 + 1.5 - 31.5$

 $31.5 \times 2 + 2 = 63 + 2 = 65$

 $65 \times 2.5 + 2.5 = 162.5 + 2.5 - 165$

Similarly,

 $21 \times 0.5 + 0.5 = 10.5 + 0.5 = 11(a)$

 $11 \times 1 + 1 = 11 + 1 = 12$ (b)

 $12 \times 1.5 + 1.5 = 18 + 1.5 = 19.5$ (c)

 $19.5 \times 2 + 2 = 39 + 2 = 41$ (d)

 $41 \times 2.5 + 2.5 = 102.5 + 2.5 = 105$ (e)

(2) The pattern of the given series is:

 $5 \times 1 + 1^2 = 5 + 1 = 6$

 $6 \times 2 + 2^2 = 12 + 4 = 16$

 $16 \times 3 + 3^2 = 48 + 9 = 57$

 $57 \times 4 + 4^2 = 228 + 16 = 244$

 $244 \times 5 + 5^2 = 1220 + 25 = 1245$

Similarly,

 $9 \times 1 + 1^2 = 9 + 1 = 10$ (a)

 $11 \times 2 + 2^2 = 22 + 4 = 26$ (b)

 $26 \times 3 + 3^2 = 78 + 9 = 87$ (c)

 $87 \times 4 + 4^2 = 348 + 16 = 364$ (d)

(3) The pattern of the given series is:

 $7 \times 1 - 2 = 7 - 2 = 5$

 $5 \times 3 - 4 = 15 - 4 = 11$

11 × 5 - 6 = 55 - 6 = 49

49 × 7 - 8 = 343 - 8 = 335

335 × 9 - 10 = 3015 - 10 = 3005

Similarly,

59.

10.

11.

12.

13.

$$13 \times 1 - 2 = 13 - 2 = 11$$
 (a) $11 \times 3 - 4 = 33 - 4 = 29$ (b)

60. (4) The pattern of the given series is: $12 \times 3 + 11 = 36 + 11 = 47$ $47 \times 3 + 11 = 141 + 11 = 152$

$$33 \times 3 + 11 = 99 + 11 = 110$$
 (a)
 $110 \times 3 + 11 = 330 + 11 = 341$ (b)

61. (5) The pattern of the given series is:

$$496 \times 3 - 32 = 1488 - 32 = 1456$$

Similarly.

$$42 \times 1 - 8 = 42 - 8 = 34$$
 (a)

$$34 \times 1.5 + 14 = 51 + 14 = 65$$
 (b)

$$65 \times 2 - 20 = 130 - 20 = 110$$
 (c)

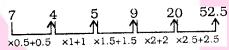
$$110 \times 2.5 + 26 = 275 + 26 = 301$$
 (d)

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(4) The given series is based on the following 1. pattern:

2. (5) The given series is based on the following pattern:

3. (3) The given series is based on the following pattern:



(2) 30 (According to question)

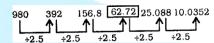
(1) The given series is based on the following 5. pattern:

(5) The given series is based on the following 6. pattern:



He nce, 119 will come in place of the question mark.

7. (3) The given series is based on the following pattern:



Hence, 62.72 will come ir place of the question mark.

8. (4) The given series is based on the following

Hence, 2211 will come in place of the question mark.

(1) The given series is based on the following

Numbers are cubes of consecutive prime numbers, i.e.

$$11^3 = 1331$$

$$13^3 = 2197$$

$$17^3 = 4913$$

$$19^3 = 6859$$

$$23^3$$
 = **12167** 29^3 = 24389

Hence, 12167 will come in place of the question mark.

(2) The given series is based on the following pattern

Hence, 7.4 will come in place of the question mark.

(3) The given number series is based on the following pattern:

$$13 \times 1 + 1 = 14$$

$$14 \times 2 + 2 = 30$$

$$30 \times 3 + 3 = 93$$

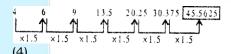
$$93 \times 4 + 4 = 376$$

$$376 \times 5 + 5 = 1885$$

$$\therefore$$
 ? = 1885 × 6 + 6 = **11316**

Hence, number 11316 will replace the question mark.

(2)



42

20.

21.

22.

23.

```
400 240 144 86.4 51.84 31.104 18.6624
 ×0.6 ×0.6 ×0.6 ×0.6 ×0.6 ×0.6
(1)
               6.75 13.5 33.75 101.25
```

14.

17.

15. $705 + 1 \times 23 = 728$ $728 + 2 \times 23 = 774$ $774 + 3 \times 23 = 843$ $843 + 4 \times 23 = 935$ $935 + 5 \times 23 = 1050$

 \therefore ? = 1050 + 6 × 23 = 1050 + 138 = 1188 16. (4) The pattern of the given series is:

 $5 \times 1.5 + 1.5 = 7.5 + 1.5 = 9$ $9 \times 2.5 + 2.5 = 22.5 + 2.5 = 25$ $25 \times 3.5 + 3.5 = 87.5 + 3.5 = 91$ $91 \times 4.5 + 4.5 = 409.5 + 4.5 = 414$ Similarly,

(a) \Rightarrow 3 × 1.5 + 1.5 = 4.5 + 1.5 = 6 (b) \Rightarrow 6 × 2.5 + 2.5 = 15 + 2.5 = 17.5

(c) \Rightarrow 17.5 × 3.5 + 3.5 = 61.25 + 3.5 = **64.75** (2) The pattern of the given se ries is:

 $15 \times 1 - 1 \times 6 = 15 - 6 = 9$ $9 \times 2 - 2 \times 5 = 18 - 10 = 8$ $8 \times 3 - 3 \times 4 = 24 - 12 = 12$ $12 \times 4 - 4 \times 3 = 48 - 12 = 36$ $36 \times 5 - 5 \times 2 = 180 - 10 = 170$ Similarly, (a) \Rightarrow 19 × 1 - 1 × 6 = 19 - 6 = 13

(b) \Rightarrow 13 × 2 - 2 × 5 = 26 - 10 = **16** (1) The pattern of the given series is:

18. $7 \times 1 - 1 = 6$ $6 \times 2 - 2 = 10$ $10 \times 3 - 3 = 27$ $27 \times 4 - 4 = 104$ $104 \times 5 - 5 = 515$ Similarly,

(a) \Rightarrow 9 × 1 - 1 = 8 (b) \Rightarrow 8 × 2 - 2 = 14 (c) \Rightarrow 14 × 3 - 3 = 39 (d) \Rightarrow 39 × 4 - 4 = **152**

19. (5) The pattern of the given series is: $6 \times 2 + 2^2 = 12 + 4 = 16$

 $16 \times 3 + 3^2 = 48 + 9 = 57$ $57 \times 4 + 4^2 = 228 + 16 = 244$ Similarly, (a) \Rightarrow 4 × 2 + 2² = 8 + 4 = 12

(b) \Rightarrow 12 × 3 + 3² = 36 + 9 = 45

(c) \Rightarrow 45 × 4 + 4² = 180 + 16 = 196

(d) \Rightarrow 196 × 5 + 5² = 980 + 25 = **1005**

(3) The pattern of the given series is: $8 \times 1 + 1 = 9$ $9 \times 2 + 2 = 20$ $20 \times 3 + 3 = 63$ $63 \times 4 + 4 = 256$ Similarly,

(a) \Rightarrow 5 × 1 + 1 = 6

(b) \Rightarrow 6 × 2 + 2 = 14 (c) \Rightarrow 14 × 3 + 3 = 45

(d) $\Rightarrow 45 \times 4 + 4 = 184$ (e) \Rightarrow 184 × 5 + 5 = **925**

(3) The pattern of the number series is:

 $4 \times 0.5 + 1 = 2 + 1 = 3$ $3 \times 1 + 1.5 = 3 + 1.5 = 4.5$ $4.5 \times 1.5 + 2 = 6.75 + 2$ $= 8.75 \pm 8.5$

 $8.75 \times 2 + 2.5 = 17.5 + 2.5 = 20$ $20 \times 2.5 + 3 = 50 + 3 = 53$

(2) The pattern of the number series is: $12000 \div 5 - 5 = 2400 - 5 = 2395$

 $2395 \div 5 - 5 = 479 - 5$

= 474 ± **472** $474 \div 5 - 5 = 94.8 - 5 = 89.8$ $89.8 \div 5 - 5 = 17.96 - 5 = 12.96$

(5) The pattern of the number series is:

 $1 \times 1 + 7 \times 1 = 1 + 7 = 8$ $8 \times 2 + 6 \times 2 = 16 + 12 = 28$ $28 \times 3 + 5 \times 3 = 84 + 15 = 99$ $99 \times 4 + 4 \times 4 = 396 + 16 = 412$ $412 \times 5 + 3 \times 5 = 2060 + 15 = 2075$ $2075 \times 6 + 2 \times 6 = 12450 + 12$ = 12462 ≠ **12460**

(1) The pattern of the number series is: 24.

 $144 \times 1.5 = 216 \neq 215$ $216 \times 2.5 = 540$ $540 \times 3.5 = 1890$ $1890 \times 4.5 = 8505$ $8505 \times 5.5 = 46777.5$

25. (5) The pattern of the number series is:

> $2222 - 7^3 = 2222 - 343 = 1879$ $1879 - 6^3 = 1879 - 216 = 1663$ $1663 - 5^3 = 1663 - 125 = 1538$ $1538 - 4^3 = 1538 - 64 = 1474$ $1474 - 3^3 = 1474 - 27 = 1447$ $1447 - 2^3 = 1447 - 8$ $= 1439 \pm 440$

26. (4) The pattern is: $2^3 + 1^2 = 9$ $3^3 + 2^2 = 31$

 $4^3 + 3^2 = 73$ $5^3 + 4^2 = 141$

 $6^3 + 5^2 = 241$ 27. (4) The pattern is:

4.

5.

28. (3) The pattern is:

$$130 + 3^2 = 139$$

$$139 + 4^2 = 155$$

$$155 + 5^2 = 180$$

$$180 + 6^2 = 216$$

29. (2) The pattern is:

$$658 + 72 = 730$$

$$730 + 144 = 874$$

30. (2) The pattern is:

$$14 + 990 = 1004$$
$$1004 + \frac{990}{5} = 1202$$

$$1202 + \frac{198}{4} = 1251.5$$

$$1251.5 + 16.5 \left(= \frac{49.5}{3} \right) = 1268$$

31. (3) The pattern is:

$$576 - 224 = 352$$

$$752 - 576 = 176$$

$$840 - 752 = 88$$

32. (4) The pattern is:

$$55 + 11.15 = 66.15$$

$$66.15 + 2 \times 11.15 = 88.45$$

$$88.45 + 3 \times 11.15 = 121.9$$

$$121.9 + 4 \times 11.15 = 166.5$$

33. (5) The pattern is

$$36 + 13 = 49$$

$$49 + 2 \times 13 = 75$$

$$75 + 13 = 88$$

$$88 + 2 \times 13 = 114$$

INSURANCE EXAMS

(2) The series is based on following pattern: 1.

$$3 + 4 \times (2)^{\circ} = 7$$

$$7 + 11 = 18$$

$$18 + 4 \times (2)^{1} = 26$$

$$37 + 4 \times (2)^2 = 53$$

$$53 + 11 = 64$$

$$64 + 4 \times (2)^3 = 96$$

Therefore, the number 37 will come in place of question mark (?) in the series.

2. (3) The series is based on following pattern:

$$1.7 + 1.5 = 3.2$$

$$3.2 - 0.5 = 2.7$$

$$2.7 + 1.5 = 4.2$$

$$4.2 - 0.5 = 3.7$$

$$5.2 - 0.5 = 4.7$$

$$4.7 + 1.5 = 6.2$$

Therefore, the number 5.2 will come in place of question mark (?) in the series.

(3) The original series is based on following pattern:

$$8 \times \frac{1}{2} = 4$$

$$4 \times 1 = 4$$

$$4 \times 1.5 = 6$$

$$6 \times 2 = 12$$

$$12 \times 2.5 = 30$$

$$30 \times 3 = 90$$

Therefore, the number 28 is wrong. Hence, the new series is as follows:

$$28 \times \frac{1}{2} = 14$$
2nd term

$$14 \times 1 = 14$$

$$14 \times 1.5 =$$
 $21 \times 2 = 42$

Therefore, the fourth term of new series is

(2) The original series is based on following

pattern:

$$17 + 0.25 \times (1)^2 = 17.25$$

$$17.25 + 0.25 \times (2)^2 = 18.25$$

$$18.25 + 0.25 \times (3)^2$$

= 20.50

$$20.50 + 0.25 \times (4)^2 = 24.50$$

$$24.50 + 0.25 \times (5)^2 = 30.75$$

Therefore, the number 20.75 is wrong. Hence, the new series is as follows:

$$20.75 + 0.25 \times 1^2 = 21.00 \dots 2nd \text{ term}$$

$$21.00 + 0.25 \times (2)^2 = 22.00 \dots 3^{rd}$$
 term

$$22.00 + 0.25 \times (3)^2 = 24.25$$
4th term

is 24.25. (1) The original series is based on following pattern:

 $438 + (7)^2 = 487$

$$487 - (6)^2 = 451$$

$$451 + (5)^2 = 476$$

$$476 + (4)^2 = 460$$

$$460 + (3)^2 = 469$$

11.

12.

14.

15.

16.

17.

18.

Therefore, the number 447 is wrong. Hence the new series is as follows:

$$447 + (7)^2 = 496 \dots 2^{nd}$$
 term

$$496 - (6)^2 = 460 \dots 3^{rd} \text{ term}$$

$$460 + (5)^2 = 485 - 4^{th} term$$

$$485 - (4)^2 = 469$$

Therefore, the fourth term of the new series is 485.

6. (5) The original series is based on following pattern:

$$2 \times 2 + 3 = 7$$

$$7 \times 2 + 5 = 19$$

$$19 \times 2 + 7 = 45$$

$$45 \times 2 + 9 = 99$$

$$99 \times 2 + 11 = 209$$

$$209 \times 2 + 13 = 431$$

Therefore, the number 18 is wrong.

Hence, the new series is as follows:

$$18 \times 2 + 3 = 39 - 2$$
nd term

$$39 \times 2 + 5 = 83$$
 — 3

$$83 \times 2 + 7$$

 $173 \times 2 + 9 = 355$

Therefore, the fourth term of the new series is 173,

7. (4) The original series is based on following pattern:

$$6 \times 1 + 1 \times 2 = 8$$

$$8 \times 2 - 2 \times 3 = 10$$

$$10 \times 3 + 3 \times 4 = 42$$

$$42 \times 4 - 4 \times 5 = 148$$

$$148 \times 5 + 5 \times 6 = 770$$

$$770 \times 6 - 6 \times 7 = 4578$$

Therefore, the number 146 is wrong.

Hence, the new series is as follows:

$$146 \times 1 + 1 \times 2 = 148$$

$$= 2^{nd} term$$

$$148 \times 2 - 2 \times 3$$

$$= 290 -- 3^{rd} term$$

$$290 \times 3 + 3 \times 4$$

= 882 - 4th term

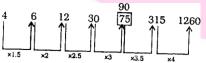
Therefore, the fourth term of the new series is 882.

8. (1) The given number series is based on the following pattern



Hence the wrong number is 6.

9. (2) The given number series is based on the following pattern:



Hence, the wrong number is 75.

(4) The given number series is based on the following pattern:

$$4 - 3 = 1^2$$

$$13 - 4 = 9 = 3^2$$

$$38 - 13 = 25 = 5^2$$

$$87 - 38 = 49 = 7^2$$

$$168 - 87 = 81 = 9^2$$

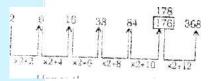
Obviously, 166 is the wrong number.

(3) The number series follows the rule as mentioned below:



Hence 29 is the wrong number.

(5) The followed pattern is:



Hence the wrong number is 176.

(5) The pattern of the number series is:

$$3 + 7^2 = 3 + 49 = 52$$

$$52 + 6^2 = 52 + 36 = 88$$

$$88 + 5^2 = 88 + 25 = 113$$

$$113 + 4^2 = 113 + 16 = 129$$

$$129 + 3^2 = 129 + 9 = 138$$

(3) The pattern of the number series is:

$$2 \times 1 + 1 = 52$$

$$3 \times 2 + 2 = 8$$

$$8 \times 3 + 3 = 27$$

$$27 \times 4 + 4 = 112$$

$$112 \times 5 + 5 = 565$$

(1) The pattern of the number series is:

$$6 \times 0.5 + 1 = 4$$

$$4 \times 1.5 + 2 = 8$$

$$8 \times 2.5 + 3 = 23$$

$$23 \times 3.5 + 4 = 84.5$$

$$84.5 \times 4.5 + 5 = 385.25$$

(4) The pattern of the number series is:

$$2^3 = 8;$$

 $6^3 = 216;$

$$4^3 = 64$$

 $8^3 = 512$

$$10^3 = 1000$$
;

$$12^3 = 1728$$

$$5 \times 1 + 1 \times 6 = 11$$

$$11 \times 2 + 2 \times 5 = 32$$

$$32 \times 3 + 3 \times 4 = 108$$

$$108 \times 4 + 4 \times 3 = 444$$

(3)
$$S = (1^2 - 2^2) + (3^2 - 4^2) + (5^2 - 6^2) + \dots to$$

= -3 - 7 - 11 - 15 - to 100 terms
= - (3 + 7 + 11 + 15 + ... to 100 terms)

$$\frac{100}{2} = \frac{1}{2} [2 \times 3 + (100 - 1)4]$$

$$\begin{bmatrix} \underline{n} \\ S_n = 2 [2a + (n-1)d] \end{bmatrix}$$
= - 50 × 402 = - 20100
(3) Tricky approach

19. (3) Tricky approach $\frac{3+5}{4} + \frac{7}{4} + \dots + \frac{17}{17} + \frac{19}{19}$ 4 36 44 5184 8100 $= \left(1 - \frac{1}{4}\right) + \left(\frac{1}{4} - \frac{1}{9}\right) + \left(\frac{1}{4} + \frac{1}{1}\right) + \dots + \left(\frac{1}{81100}\right)$ 81 100)

$$= 1 - \frac{1}{100} = \frac{99}{100} = 0.99$$

20. (4) The pattern is: 8 + 6 = 14 14 + 18 (= 6 + 12) = 32 32 + 38 (= 18 + 20) = 70 70 + 66 (= 38 + 28) = 136 136 + 102 (= 66 + 36)

21. (1) The pattern is : $25 + 1 \times 16 = 41$

41 + 3 × 16 = 41 + 48 = 89 89 + 5 × 16 = 89 + 80 = 169 169 + 7 × 16 = 169 + 112 = 281 281 + 9 × 16 = 281 + 144 = **425**

22. (2) The pattern is: 461 + 13 = 474 474 - 9 = 465 465 + 13 = 478 478 - 9 = 469 469 + 13 = **482**

23. (5) The pattern is: $(980 \div 2) + 26 = 516$ $(516 \div 2) + 26 = 284$ $(284 \div 2) + 26 = 168$ $(168 \div 2) + 26 = 110$ $(110 \div 2) + 26 = 81$

24. (5) The pattern is: 4 + 0 = 4 4 + 6= 10 10 + 24 (= 6 + 18) = 34 34 + 60 (= 6 + 54) = 94 94 + 168 (= 6 + 162) = **262**

25. (1) Expression = (1+7+13+19+....+61) + (3-5+9-11) 28. (2) The pattern is : ++63-65) = $(1+7+13+...+61)-2 \times 11$ First Part = 1+7+13+....+61 2 = 510 $t_n = a + (n-1)d$ Daily Visit : Governmentadda.com Join Us: t.me/Ga_Buzz

 \Rightarrow 61 = 1 + (n - 1)d \Rightarrow 61 - 1 = (n - 1)6 \Rightarrow (n-1)6 = 60 $\Rightarrow n - 1 = 10$ $\Rightarrow n = 11$ $S_n = \frac{n}{2} [a+l] = \frac{11}{2} (1+61) = 341$ Expre ssion = 341 - 22 = 31926. (1) $x = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \dots + \frac{1}{2} + \dots$ = 1 $-\frac{1}{2} + \frac{1}{2} - \frac{1}{3} + \frac{1}{3} - \frac{1}{4} + \dots + \frac{1}{6} - \frac{1}{7} + \frac{1}{7} - \frac{1}{6} = \frac{1}{1} + \frac{1}{1} + \frac{1}{1} = \frac{1}{1} = \frac{1}{1} + \frac{1}{1} = \frac{1}{1} + \frac{1}{1} = \frac{1}{1} = \frac{1}{1} + \frac{1}{1} = \frac{1}{1} + \frac{1}{1} = \frac{1}{1} + \frac{1}{1} = \frac{1}{1} = \frac{1}{1} + \frac{1}{1} = \frac{1}{1} = \frac{1}{1} + \frac{1}{1} = \frac{1$ $\frac{1}{8} + \frac{1}{7 \times 9}$ $= 1 - \frac{1}{8} + \frac{1}{63}$ $=\frac{504-63+8}{8\times63}=\frac{449}{504}$ $\therefore \frac{1}{x} = \frac{504}{449} \approx 1.1$ (4) $\left(1 - \frac{1}{2^2}\right) \left(1 - \frac{1}{3^2}\right) \left(1 - \frac{1}{4^2}\right) \dots \left(1 - \frac{1}{2011^2}\right) =$ $\overline{2 \times 2011}$ (1) 1 1 1 1 1 1 1 1 $\Rightarrow \left(1 - \frac{1}{2} \right) \left(1 + \frac{1}{2} \right) \left(1 - 3\right) \left(1 + \frac{1}{3}\right) \left(1 - \frac{1}{4}\right) \left(1 + \frac{1}{4}\right)$ $\left(1-\frac{1}{5}\right)\left(1+\frac{1}{5}\right)....\left(1-\frac{1}{2011}\right)\left(x\left|1+\frac{1}{2011}\right|\right)$ $= \frac{x}{2 \times 2011}$

 $\Rightarrow \left(1 - \frac{1}{2}\right)\left(1 + \frac{1}{2}\right)\left(1 - \frac{1}{3}\right)\left(1 + \frac{1}{3}\right)\left(1 - \frac{1}{4}\right)\left(1 + \frac{1}{2}\right)$ $= \frac{x}{2 \times 2011}$ $= \frac{x}{2 \times 2011}$ $= \frac{x}{2 \times 2011}$ $= \frac{2010}{2011} \times \frac{2012}{2011} = \frac{x}{2 \times 2011}$ $\Rightarrow \frac{1}{2} \times \frac{2012}{2011} = \frac{x}{2 \times 2011}$ $\Rightarrow \frac{1}{2} \times \frac{2012}{2011} = \frac{x}{2 \times 2011}$ $\Rightarrow x = 2012$ (2) The pattern is: $\frac{1050 - 30}{2} = 510$

$$\frac{510 - 26}{2} = 242$$

$$\frac{242 - 22}{2} = 100 \neq 106$$

$$\frac{110 - 18}{2} = 46$$

$$\frac{46-14}{2} = 16.$$

$$550 - 2^2 = 550 - 4 = 546$$

$$546 - 3^2 = 546 - 9 = 537$$

$$537 - 42 = 537 - 16 = 521$$

$$521 - 5^2 = 521 - 25$$

$$496 - 6^2 = 496 - 36 = 460$$

$$8 + 1 \times 13 = 21$$

$$21 + 2 \times 13 = 21 + 26 = 47$$

$$47 + 3 \times 13 = 47 + 39 = 86$$

$$86 + 4 \times 13 = 86 + 52$$

$$138 + 5 \times 13 = 138 + 65 = 203$$

$$203 + 6 \times 13 = 203 + 78 = 281$$

31 (2) The pattern is;

$$4 \times 8 - 8 = 32 - 8 = 24$$

$$24 \times 7 - 7 = 168 - 7 = 161$$

$$161 \times 6 - 6 = 966 - 6$$

32. (3) The pattern is:

$$1 \times 2 = 2$$

$$2 \times 3 = 6 \pm 8$$

$$6 \times 4 = 24$$

$$24 \times 5 = 120$$

$$120 \times 6 = 720$$

$$1548 \div 3 = 516$$

$$516 \div 4 = 129$$

$$129 \div 3 = 43$$

$$43 \div 4 = 10.75$$

Hence, 10.75 will replace the question

$$56.94 \times 0.4 = 22.776$$

$$22.776 \times 0.5 = 11.388$$

$$11.388 \times 0.6 = 6.8328$$

Hence, 56.94 will replace the question

35. (1) The given number series is based on the following pattern:

$$144 + 23 \times 2 = 190$$

$$190 + 23 \times 3 = 259$$

$$\therefore$$
 ? = 259 + 23 × 4 = 259 + 92 = **351**

Hence, 351 will replace the question mark.

36. (5) The given number series is based on the following pattern:

$$14 \times 3 + 1.5 = 43.5$$

$$43.5 \times 6 + 1.5 \times 2 = 264$$

$$264 \times 12 + 1.5 \times 4 = 3174$$

$$3174 \times 24 + 1.5 \times 8 = 76188$$

Hence, 3174 will replace the question mark.

37. (3) The given number series is based on the following pattern:

$$41 \times 2^2 = 164$$

$$164 \times 4^2 = 2624$$

$$2624 \times 6^2 = 94464$$

$$94464 \times 8^2 = 6045696$$

Hence 94464 will replace the question

mark.

38. (1) The pattern is:

$$2 + 3 = 5$$

$$5 + 4 = 9$$

$$6 + 5 = 14$$

$$14 + 6 = 20$$

$$20 + 7 = 27$$

MODEL EXERCISES

11.

12.

13.

14.

15.

- 1. The interior angles of a polygon are in AP, 10. the smallest angle is 120° and the common difference is 5. Then, the number of sides of the polygon are —
 - (1) 16
- (2)9

- (3) 8
- (4) 12
- (5) None of these
- 2. A man arranges to pay off a debt of Rs 3600 in 40 annual instalments which form an AP. When 30 of the instalments are paid, he dies leaving one-third of the debt unpaid. Find the value of the first instalment.
 - (1)55
- (2) 53
- (3) 51
- (4) 49
- (5) None of these
- Find $1^3 + 2^3 + 3^3 + \dots + 15^3$ 3.
 - (1) 11025
- (2) 13400
- (3)900
- (4) 14400
- (5) None of these
- The value of
 - $(1^3 + 2^3 + 3^3 + \dots + 15^3)$ -
 - $(1 + 2 + 3 + \dots + 15)$ is —
 - (1) 14280
- (2) 14400
- (3) 12280
- (4) 13280
- (5) None of these
- What is the next number in the series given 5.
 - 53, 48, 50, 50, 47
 - (1) 51
- (2)46
- (3) 53
- (4) 52
- (5) None of these
- In a GP, the first term is 5 and the common ratio is 2. The eighth term is —
 - (1)640
- (2) 1280
- (3)256
- (4) 160
- (5) None of these
- If the arithmetic mean of two numbers is 5 and geometric mean is 4, then the numbers are —
 - (1) 4, 6
- (2) 4, 7
- (3) 3, 8
- (4) 2, 8
- (5) None of these
- What is the next number in the series given below?
 - 2, 5, 9, 14, 20
 - (1) 25
- (2)26
- (3) 27
- (4) 28
- (5) None of these
- 9. The sum of 40 terms of an AP whose first term is 4 and common difference is 4, will be —
 - (1) 3200
- (2) 1600
- (3) 200
- (4) 2800
- (5) None of these

- Let S_n denote the sum of the first 'n' terms of an AP
 - $S_{2n} = 3S_n$. Then, the ratio $\frac{S}{S_n}$ is equal to
 - (1) 4

(3) 8

- (5) None of these
- The missing number in the series
- 8, 24, 12, 36, 18, 54 is —
- (1) 27
- (2) 108
- (3)68
- (4)72
- (5) None of these
- The sum of the 6th and 15th elements of an arithmetic progression is equal to the sum of 7th, 10th and 12th elements of the same progression. Which element of the series should necessarily be equal to zero?
- (1) 10th
- (2) 8th
- (3) 1st
- (4) 9th
- (5) None of these
- If p, q, r, s are in harmonic progression and p > s, then —
- (1) $\frac{1}{ps} < \frac{1}{qr}$ (2) q + r = p + s
- (3) $\frac{1}{q} + \frac{1}{p} = \frac{1}{r} + \frac{1}{s}$ (4) None of these

(MAT Exam. Sept. 2003)

- What is the eighth term of the sequence 1, 4, 9, 16, 25?
- (1) 8
- (2)64
- (3) 128
- (4) 200
- (5) None of these
- In a geometric progression, the sum of the first and the last term is 66 and the product of the second and the last but one term is 128. Determine the first term of the series.
- (1)64
- (2) 64 or 2
- (3) 2 or 32
- (4) 32
- (5) None of these
- A sequence is generated by the rule that the xth term is $x^2 + 1$ for each positive integer x. In this sequence, for any value x > 1, the value of (x + 1)th term less the value of xth term is —
- (1) $2x^2 > +1$
- (2) $x^2 + 1$
- (3) 2x + 1
- (4) x + 2
- (5) None of these
- Four different integers form an increasing AP. If one of these numbers is equal to the sum of the squares of the other three numbers, then the numbers are —

17.

- (1) -2, -1, 0, 1 (3) -1, 0, 1, 2
- (2) 0, 1, 2, 3
- (4) 1, 2, 3, 4
- (5) None of these
- 18. How many terms are there in an AP whose first and fifth terms are -14 and 2 respectively and the sum of terms is 40?
 - (1) 15
- (2) 10

(3) 5

(4) 20

(5) None of these 19.

The first three numbers in a series are -3, 0, 3, the 10th number in the series will be

(1) 18

- (3) 24
- (2) 21 (4) 27
- (5) None of these

5.

7.

8.

SHORT ANSWERS

1.	(2)	2. (3)
3.	(4)	4. (1)
5 .	(4)	6. (1)
7.	(4)	8. (3)
9.	(1)	10. (2)
11	(1)	10 (0)

17. (2)**18.** (3) 19. (3)

2. (1) 1. (4)3. (4)**4.** (3) 5. (2)**6.** (3) 7. (5)**8.** (2) 9.

(1)**10.** (4) 11. **12.** (5) (3)13. (2)**14.** (1)

15. (4)**16.** (1) 17. (5)**18.** (1) 19. (1)

EXPLANATIONS

1. (2) Let the polygon has n sides. Given, the smallest interior angle is 120°, 6. hence the greatest exterior angle will be $(180^{\circ} - 120^{\circ}) = 60^{\circ}$

> We know sum of exterior angles of a polygon $= 360^{\circ}$

$$\therefore \frac{n}{2} [2a + (n-1) d] = 360$$

$$\frac{n}{2}[120 + (n-1) \times -5] = 360$$

$$\Rightarrow n^2 - 25n + 144 = 0$$

$$\Rightarrow n = 9, 16$$

Number of sides cannot be 16.

Hence, n = 92. (3) According to question,

Sum of 40 instalments S_{40} = 3600 = 20 (2a + 39d)

 $\Rightarrow 2a + 39d = 180 ...(i)$ Sum of 30 instalments $S_{30} = 2400 = 15 (2a + 29d)$

 $\Rightarrow 2a + 29d = 160$

Solving Eqs. (i) and (ii), we get a = 51 and d = 2

.. The value of first instalment = Rs 51

3. (4) According to question, we have,

$$1^3 + 2^3 + 3^3 + \dots + n^3 = \left\lceil \frac{n \times (n+1)}{2} \right\rceil^2$$

Here, n = number of terms = 15

$$\therefore \left\lceil \frac{n(n+1)}{2} \right\rceil^2 = \left\lceil \frac{15 \times 16}{2} \right\rceil^2$$

 $= (120)^2 = 14400$

(1) According to question,

$$(1^3 + 2^3 + 3^3 + \dots + 15^3) -$$

$$(1 + 2 + 3 + \dots + 15)$$

$$= \begin{bmatrix} n(n+1) \end{bmatrix}^{2} - \begin{bmatrix} n(n+1) \\ 2 \end{bmatrix}$$

$$= \left\lfloor \frac{15 \times 16}{2} \right\rceil^2 \left\lceil \frac{15 \times 16}{2} \right\rceil$$

 $= (120)^2 - (120)$

 $=120 \times 119 = 14280$

(4) According to question,

53, 48, 50, 50, 47....

The above series can be splitted into two series one in ascending order and other in descending order 53, 50, 47 and other is 48, 50, 52.

Hence, 52 will be the next number.

(1) According to question, *n*th term of a GP = a^{n-1}

∴8th term = $5 \times (2)^{8-1} = 5 \times (2)^7$

 $= 5 \times 128 = 640$

(4) Let the two numbers be x and y. Then, AM,

$$\frac{x+y}{2} = 5$$

$$\Rightarrow x + y = 10$$

$$\Rightarrow xy = 16$$

$$\Rightarrow (x - y)^2 = (x + y)^2 - 4xy$$

$$100 - 64 = 36$$

$$x - y = 6$$
 ...(ii)

Or

Solving Eqs. (i) and (ii),

x = 8 and y = 2

(3) According to question,

$$2 + 3 = 5;$$

$$5 + 4 = 9;$$

$$9 + 5 = 14;$$

$$14 + 6 = 20$$
:

$$20 + 7 = 27$$

Hence, the next number of the series will

9. (1) According to question,

$$S_{40} = \frac{n}{2} [2a + (n-1)d]$$
$$= 20 [4 + 39 \times 4]$$
$$= 20 \times 160 = 3200$$

10. (2) Let a be the first term and d be the common difference.

Then,
$$S_n = \frac{n}{2} (2a + (n-1)d]$$

$$S_2 = \frac{2n}{2} [2\alpha + (2n - 1)d]$$

and
$$S_{3n} = \frac{3n}{2[2a + (3n - 1)d]}$$

Given,
$$S_{2n} = 3S_n$$

$$\therefore \frac{2n}{2}[2a + (2n - 1)d] =$$

$$\frac{n}{2\frac{n}{2}[2a + (n-1)d]}$$

$$\Rightarrow 4a + (4n - 2)d = 6a + (3n - 3)d$$

$$\Rightarrow d(4n-2-3n+3)=2a$$

$$\Rightarrow d = \frac{2a}{n+1}$$

$$\therefore S_{n} = \frac{2an^{2}}{n+1}$$

and
$$S_3 n = \frac{12an^2}{n+1}$$

$$\therefore \frac{S_n}{\sum_{n=0}^{\infty} \frac{2an^2}{1 - 12an^2}} = \frac{1}{6} = \frac{S_{3n}}{\sum_{n=0}^{\infty} \frac{S_{3n}}{1 - 12an^2}} = \frac{S_{3n}}{\sum_{n=0}^{\infty} \frac{S_{3n}}{1 - 1$$

- 11. (1) According to question,
 - 8, 24, 12, 36, 18, 54

Hence, 27 will come in the blank space.

12. (2) Let the first term and common term of the AP be a and d respectively.

Then,
$$(a + 5d) + (a + 14d) =$$

$$(a + 6d) + (a + 9d) + (a + 11d)$$

$$\Rightarrow$$
 2a + 19d = 3a + 26 d

$$\Rightarrow a + 7d = 0$$

:.8th term is 0.

(4) According to question, If p, q, r, s are in HP.

$$\Rightarrow \frac{1}{p}, \frac{1}{q}, \frac{1}{r}, \frac{1}{s}$$
 are in AP

$$\Rightarrow q^-p = s^-r$$

$$\Rightarrow \frac{1}{q} + \frac{1}{r} = \frac{1}{s} + \frac{1}{p}$$

Hence the none of these be answer

14. (2) According to question,

$$(1)^2(2)^2(3)^2(4)^2(5)^2$$

Each term of the progression is the square of a natural number.

Hence, the eighth term of the sequence will be $(8)^2 = 64$

15. (2) Let the last term be n,

then
$$a + ar^{n-1} = 66$$

and *ar.*
$$ar^{n-2} = 128$$

$$a^2 r^{n-1}$$
 = 128

From Eqs. (i) and (ii),

$$a (66 - a) = 128$$

$$\Rightarrow a^2 - 66a + 128 = 0$$

$$\Rightarrow a = 64, 2$$

16. (3) According to question,

$$(x + 1)$$
th term $-x$ th term

$$= (x + 1)^2 + 1 - (x^2 + 1)$$

$$= x^2 + 2x + 1 + 1 - x^2 - 1$$

$$=2x+1$$

18.

19.

17. (3) By hit and trial or common sense, we have,

$$2 = (-1)^2 + (0)^2 + (1)^2$$

Hence the numbers are -1, 0, 1, 2

(2) According to question,

$$T_5 = a + (n - 1).d$$

$$2 = -14 + 4d$$

$$d = \frac{16}{4} = 4$$

$$\therefore S_n = \frac{n}{2} [2a + (n-1) \times d]$$

$$40 = \frac{n}{2} \left[-28 + (n-1) \times 4 \right]$$

$$\Rightarrow$$
 80 = -28 n + 4 n^2 - 4 n

$$\Rightarrow 4n^2 - 32n - 80 = 0$$

$$n^2 - 8n - 20 = 0$$

$$\Rightarrow$$
 $(n-10)(n+2)=0$

$$\therefore n=10 \ (\because n \neq -2)$$

(3) According to question,

$$a = -3$$
. $d = 3$

$$T_{10} = a + (10 - 1). d$$

$$T_{10} = a + (10 - 1). d$$

$$T_{10} = -3 + 9 \times 3 = 24$$

NUMBER SERIES-264

Directions (Q. 1-5): In each of the following number series, a wrong number is given. Find out that number.

out th	nat number.		J			J
1.	1, 12, 31, 63, 101, 156, 227					
	(1) 31 (2) 63	(3)	101	(4)	156	(5) 227
2.	4, 9, 28, 99, 415, 2105, 12660)				
	(1) 9 (2) 28		99	(4)	415	(5) 2105
3.	7, 26, 64, 124, 215, 342, 511	()		()		
	(1) 26 (2) 64	(3)	124	(4)	215	(5) 342
4.	9, 28, 63, 120, 205, 323, 483	(-)		()		(1)
1	(1) 28 (2) 63	(3)	120	(4)	205	(5) 323
5.	26, 57, 102, 164, 250, 366, 51	, ,		(-)		(3) 313
0.	(1) 57 (2) 102		164	(4)	250	(5) 366
	Directions (Q. 6-10): In each	, ,				, ,
out th	ne wrong number.				,	
6.	30, 210, 742, 1716, 3390, 583	14				
	(1) 210 (2) 742		1716	(4)	3390	(5) 5814
7.	1440, 1152, 930, 766, 651, 58	30, 542		, í		. ,
	(1) 930 (2) 766		651	(4)	580	(5) 542
8.	18, 59, 187, 576, 1749, 5269	,		` ′		` ,
	(1) 59 (2) 187	(3)	576	(3)	1749	(5) 5269
9.	7, 22, 64, 216, 898, 4525, 271	` '		,		()
	(1) 64 (2) 216		898	(4)	4525	(5) 27190
10.	16, 9278, 15109, 18484, 202	12, 20941,	21157			
10.	16, 9278, 15109, 18484, 202 (1) 9278 (2) 15109			(4)	20212	(5) 20941
10.	(1) 9278 (2) 15109	(3)	18484	` ′	20212 uestion mark	(5) 20941
		(3)	18484	` ′		` '
	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343(?)	(3)	18484	` ′		x (?) in the following
numb 11.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343(?) (1) 16807 (2) 1227	(3) What will o	18484	lace of q		` '
numb	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Volume series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?)	(3) What will o (3)	18484 come in p	place of q	uestion mark 2401	(5) None of these
numb 11. 12.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Voer series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244	(3) What will o (3)	18484 come in p	place of q	uestion marl	x (?) in the following
numb 11.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?)	(3) What will (3) (3)	18484 come in p 2058 236	(4)	uestion mark 2401 248	(5) None of these (5) None of these
numb 11. 12. 13.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715	(3) What will (3) (3)	18484 come in p	(4)	uestion mark 2401	(5) None of these
numb 11. 12.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?)	(3) What will (3) (3)	18484 come in p 2058 236 726	(4) (4) (4)	uestion marl 2401 248 736	(5) None of these (5) None of these (5) None of these
numb 11. 12. 13.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715	(3) What will (3) (3)	18484 come in p 2058 236	(4) (4) (4)	uestion mark 2401 248	(5) None of these (5) None of these
numb 11. 12. 13. 14.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?) (1) 1489 (2) 1479	(3) What will (3) (3) (3) (3)	18484 come in p 2058 236 726	(4) (4) (4) (4)	uestion marl 2401 248 736	(5) None of these (5) None of these (5) None of these
numb 11. 12. 13. 14.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?) (1) 1489 (2) 1479 112 119 140 175 224 (?)	(3) What will (3) (3) (3) (3) (3)	18484 come in p 2058 236 726 1478 287	(4) (4) (4) (4) (4)	uestion mark 2401 248 736 1498	(5) None of these
numb 11. 12. 13. 14. 15.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?) (1) 1489 (2) 1479 112 119 140 175 224 (?) (1) 277 (2) 276 Directions (Q. 16 - 20): In each at number.	(3) What will (3) (3) (3) (3) (3) (4)	18484 come in p 2058 236 726 1478 287	(4) (4) (4) (4) (4)	uestion mark 2401 248 736 1498	(5) None of these
numb 11. 12. 13. 14.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?) (1) 1489 (2) 1479 112 119 140 175 224 (?) (1) 277 (2) 276 Directions (Q. 16 - 20): In each at number. 4, 5, 18, 80, 388, 2065, 12606	(3) What will (3) (3) (3) (3) (3) (4) (5)	18484 2058 236 726 1478 287 ollowing 1	(4) (4) (4) (4) (4) number s	uestion mark 2401 248 736 1498 266 eries, a wrong	(5) None of these so number is given. Find
numb 11. 12. 13. 14. 15.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?) (1) 1489 (2) 1479 112 119 140 175 224 (?) (1) 277 (2) 276 Directions (Q. 16 - 20): In each at number.	(3) What will (3) (3) (3) (3) (3) (4) (5)	18484 come in p 2058 236 726 1478 287	(4) (4) (4) (4) (4) number s	uestion mark 2401 248 736 1498	(5) None of these
numb 11. 12. 13. 14. 15.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?) (1) 1489 (2) 1479 112 119 140 175 224 (?) (1) 277 (2) 276 Directions (Q. 16 - 20): In each at number. 4, 5, 18, 80, 388, 2065, 12606	(3) What will (3) (3) (3) (3) (3) ch of the form	18484 2058 236 726 1478 287 ollowing 1	(4) (4) (4) (4) (4) number s	uestion mark 2401 248 736 1498 266 eries, a wrong	(5) None of these gnumber is given. Find
numb 11. 12. 13. 14. 15. out th 16.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?) (1) 1489 (2) 1479 112 119 140 175 224 (?) (1) 277 (2) 276 Directions (Q. 16 - 20): In each at number. 4, 5, 18, 80, 388, 2065, 12606 (1) 5 (2) 18	(3) What will (3) (3) (3) (3) (3) ch of the following (3)	18484 2058 236 726 1478 287 ollowing 1	(4) (4) (4) (4) (4) number s	uestion mark 2401 248 736 1498 266 eries, a wrong	(5) None of these gnumber is given. Find
numb 11. 12. 13. 14. 15. out th 16.	(1) 9278 (2) 15109 Directions (Q. Nos. 11-15) Ver series? 1 7 49 343 (?) (1) 16807 (2) 1227 13 20 39 78 145 (?) (1) 234 (2) 244 12 35 81 173 357 (?) (1) 725 (2) 715 3 100 297 594 991 (?) (1) 1489 (2) 1479 112 119 140 175 224 (?) (1) 277 (2) 276 Directions (Q. 16 - 20): In each at number. 4, 5, 18, 80, 388, 2065, 12606 (1) 5 (2) 18 22, 51, 88, 133, 186, 248, 316	(3) What will (3) (3) (3) (3) (3) (ch of the following (3) (3) (3)	18484 come in p 2058 236 726 1478 287 collowing t	(4) (4) (4) (4) (4) (4) (4) (4) (4)	uestion mark 2401 248 736 1498 266 eries, a wrong	(5) None of these gnumber is given. Find

			60				
19.	3, 17, 83, 371, 1907, 1150	7, 80627					
	(1) 17 (2) 83	(3)	371	(4)	1907	(5) 1150	7
20.	8, 9, 25, 105, 362, 987, 22	83					
	(1) 9 (2) 25	(3)	105	(4)	362	(5) 987	
	Directions (Q. 21-25): In	each of the fo	ollowing r	umber se	eries, a wro	ng number i	is given. Find
out th	ne wrong number.						
21.	6, 39, 213, 1090, 5496, 27	525					
	(1) 39 (2) 213	(3)	1090	(4)	5496	(5) 2752	25
22.	17, 141, 358, 701, 1213, 1	942					
	(1) 141 (2) 358	(3)	701	(4)	1213	(5) 1942	2
23.	6, 14, 51, 249, 1486, 1040) í			
	(1) 14 (2) 51		249	(4)	1486	(5) 1040	01
24.	8, 24, 88, 232, 488, 887			,		()	
	(1) 24 (2) 88	(3)	232	(4)	488	(5) 887	
25.	8, 21, 85, 421, 2521, 1764	` '		,		()	
/	(1) 21 (2) 85		421	(4)	2521	(5) 1764	11
	Directions (Q. 26-30): In	` '		` ′		` '	
out th	ne wrong number.	0101101				8	g- : 0
26.	13, 16, 38, 124, 504, 2535						
	(1) 16 (2) 38	(3)	124	(4)	504	(5) 2535	5
27.	6, 10, 32, 111, 464, 2345	. ,		ì		. ,	
	(1) 10 (2) 32	(3)	111	(4)	464	(5) 2345	5
28.	8, 18, 64, 272, 1395, 8424	` '		, ,		()	
	(1) 18 (2) 64		272	(4)	1395	(5) 8424	1
29.	80, 105, 195, 478, 1350, 3			(-)		(0)	
	(1) 105 (2) 195		478	(4)	1350	(5) 3975	5
30.	8, 18, 78, 420, 2424, 1527	` ′		(-)		(0)	
00.	(1) 18 (2) 78		420	(4)	2424	(5) 1527	70
	Directions (Q. 31-35): Wh	` ′		` '		` '	
series		0	F	4	(*	,	
31.	9480, 5384, 8759, 6015, 8	3212, ?					
	(1) 6218 (2) 648	4 (3)	6692	(4)	6816	(5) None	e of these
32.	12, 21, 78, 458, 3649, ?						
	(1) 36039 (2) 3624	-8 (3)	36469	(4)	36878	(5) None	e of these
33.	8, 71, 565, 3950, 23693, 3	` '		` '		,	
	(1) 118456 (2) 1182		118684	(4)	118724	(5) None	e of these
34.	6, 7, 9, 36, 40, ?	. – . (-)		(- ,		(0)	/
9	(1) 92 (2) 108	(3)	148	(4)	151	(5) 165	
35.	14, 24, 32, 44, 108, 122, 1	` ′	1.0	(·)		(6) 100	
00.	(1) 212 (2) 338		436	(4)	647	(5) 555	
	Directions (Q.36-40) V	` '					wing number
series		Wilde Will Coll	ic iii piacc	or quest.	on mark (.	, 111 0110 10110	wing number
36.	17 19 33 (?) 129 227						
	(1) 64 (2) 73	(3)	67	(4)	72	(5) None	e of these
37.	35 256 451 620 763 (?)						
	(1) 680 (2) 893	(3)	633	(4)	880	(5) None	e of these
	Daily Visit ·	Governmenta	adda.com	Join Us.	t.me/Ga Bi	1ZZ	
	Zaily Visit.						

					61			
3	38.	18 139 868 917 (?) 1051					
		(1) 1042	(2) 1036	(3)	942	(4)	996	(5) None of these '
3	39.	2890 (?) 1162 8	74 730 658					
		(1) 1684	(2) 1738	(3)	1784	(4)	1672	(5) None of these
4	40.	14 1004 1202 1						
		(1) 1267.5	(2) 1276.25	` '	1324.5	` '	1367.25	(5) None of these
		Directions (Q. 4		he ne	xt numb	er in the	given numbe	r series.
4	41.	8, 14, 40, 138, 57						
		(1) 2910	(2) 2915	(3)	2920	(4)	2925	(5) 2930
4	12.	17, 98, 260, 829,	3352, ?					
		(1) 16680	(2) 16785	(3)	16890	(4)	16995	(5) 17000
4	43.	600, 120, 144, 3	16.8, ?					
		(1) 1011.84	(2) 1012.96	(3)	1013.76	(4)	1014.12	(5) 1015.25
4	14.	472, 1450, 3406,	6340, 10252, ?					
		(1) 15142	(2) 15144	(3)	15146	(4)	15148	(5) 15150
4	45.	8, 18, 42, 108, 30	00, 870, ?					
		(1) 2570	(2) 2572	(3)	2574	(4)	2576	(5) 2578
		Directions (Q. 4	6-50): What is th	e nex	t numbe	r in the	given number	series?
4	1 6.	27,1358, 3086, 5	•					
		(1) 11401	(2) 11402	(3)	11403	(4)	11404	(5) 11405
4	1 7.	17, 68, 238, 867,	` '	(0)	11.00	(.)	11.0.	(0) 11.00
		(1) 18611	(2) 18612	(3)	18613	(4)	18614	(5) 18615
	1 8.	64, 96, 288, 1296	` '	(0)	10010	(')	10011	(0) 10010
	то.	(1) 58310	(2) 58320	(2)	58330	(4)	58340	(5) 58350
,	1 9.	42, 50, 132, 468,	` '	(3)	30330	(+)	36340	(3) 36330
"	+9.			(2)	10400	(4)	10500	(E) 10600
١,	-0	(1) 10200	(2) 10300	(3)	10400	(4)	10500	(5) 10600
7	50.	96, 128, 371, 139		(2)	10006	(4)	10000	(E) 10200
		(1) 12292	(2) 12294	` '	12296	` ′	12298	(5) 12300
	= 1	Directions (Q. 5 112, 229, 286, 52	·	ne ne	ext numb	er in the	following nui	nber series?
	51.	(1) 1152	(2) 1154	(3)	1156	(4)	1158	(5) 1160
_	52.	17, 38, 122, 500,		(3)	1130	(+)	1130	(3) 1100
	<i>5</i> 2.	(1) 15115	(2) 15116	(3)	15117	(4)	15118	(5) 15119
5	53.	48, 72, 144, 360,	` '	(0)	1011.	(·)		(6) 10113
		(1) 3780	(2) 3782	(3)	3784	(4)	3786	(5) 3790
5	54.	7, 71, 583, 2311,		` ,		i i		
		(1) 24231	(2) 25231	(3)	26231	(4)	27231	(5) 28231
5	55.	19874, 19858, 19	777, 19521, <mark>188</mark> 9	96, ?				
		(1) 17600	(2) 17500	(3)	17400	(4)	17300	(5) 17200
		Directions (Q. 5	6-60): What will	be th	e next nu	ımber in	the following	number series?
5	56.	15, 115, 126, 270	, 283, 479, ?					
		(1) 536	(2) 554	(3)	584	(4)	592	(5) None of these
5	57.	23, 312, 673, 111	14, 1643, ?					
		(1) 2024	(2) 2160	(3)	2268	(4)	2304	(5) 2412
5	58.	6, 28, 110, 476, 2	` '	, ,		,		. ,
		(1) 14612	(2) 14512	(3)	14412	(4)	14312	(5) 14212
		. ,	. ,	` /		()		. ,

			62				
59.	15, 57, 168, 417, 942, ?						
	(1) 1816 (2) 1904	(3)	2019	(4)	2146	(5) 2251	
60.	12, 24, 44, 74, 116, ?						
	(1) 164 (2) 172	(3)	178	(4)	184	(5) 196	
	Directions (Q. 61-65): Find t	he next r	number ir	the foll	owing nu	ımber series.	
61.	215, 302, 517, 732, 947, 1162	, ?					
	(1) 1372 (2) 1375	(3)	1377	(4)	1379	(5) 1381	
62.	192, 292, 400, 516, 640, ?						
	(1) 770 (2) 772	(3)	774	(4)	776	(5) 778	
63.	19, 29, 41, 55, 71, ?						
	(1) 89 (2) 91	(3)	93	(4)	95	(5) 97	
64.	768, 512, 320, 192, 112, ?						
	(1) 56 (2) 64	(3)	72	(4)	96	(5) 84	
65.	18, 42, 78, 132, 210, ?						
	(1) 310 (2) 312	(3)	314	(4)	316	(5) 318	
7	Directions (Q. 66-70): Find the	he next nı	ımber in	the place	of quest	ion mark (?) in the following	
	er series.						
66.	4, 13, 54, 273, 1642, ?	(0)	11100	(4)	11100	(5) 11560	
/	(1) 10432 (2) 10968	(3)	11120	(4)	11499	(5) 11562	
67.	3, 14, 66, 312, 1640, ?	(0)		(4)		(T) 0000	
60	(1) 9950 (2) 9960	(3)	9970	(4)	9980	(5) 9990	
68.	3, 8, 16, 15, 42, 29, 81, ?	(0)	7 0	(4)	7.0	(5) 06	
60	(1) 50 (2) 54	(3)	72	(4)	78	(5) 96	
69.	6, 42, 114, 258, 546, ?	(0)	1100	(4)	1100	(F) 1104	
70	(1) 1116 (2) 1118	` ′	1120	(4)	1122	(5) 1124	
70.	484, 729, 1024, 1369, 1764, 3		0000	(4)	2212	(F) 001F	
	(1) 2204 (2) 2206	` ′	2209	` '		(5) 2215	
77.1	Directions (Q. 71-75): What	will be th	ne next n	umber in	tne ion	owing number series?	
71.	27 76 272 713 1497 ?	(2)	0700	(4)	0702	(F) 0704	
72.	(1) 2720 (2) 2721 68 216 444 752 1140 ?	(3)	2722	(4)	2723	(5) 2724	
12.		(2)	1604	(4)	1606	(5) 1608	
73.	(1) 1600 (2) 1602 7 14 35 78 151 262 ?	(3)	1004	(4)	1000	(3) 1008	
73.	(1) 417 (2) 419	(3)	421	(4)	423	(5) 425	
74	3 35 99 195 323 483 ?	(3)	741	(+)	723	(3) 423	
74.	(1) 645 (2) 655	(3)	665	(4)	675	(5) 685	
75.	5 7 19 49 105 195 ?	(3)	003	(+)	073	(3) 083	
75.	(1) 323 (2) 325	(3)	327	(4)	329	(5) 331	
	Directions (Q. 76-80): What 1						
numb	er series?	iumber si	iouiu con	ic in pia	c or que	stion mark in the following	
76.	5, 21, 57, 121, 221, 365,	5					
	(1) 536 (2) 561		584	(4)	604	(5) 628	
77.	5, 49, 481, 3841, ?	,		,		、 ,	
	(1) 23041 (2) 22031	(3)	21021	(4)	20011	(5) 19001	
78.	8, 19, 52, 151, 448, ?			` '		• •	

			63			
	(1) 1120 (2) 1148	` '	1236	(4)	1284 (5)	1339
79.	9801, 9604, 9409, 9216, 9025		0.600	(4)	0=10 (=)	0.155
	(1) 8836 (2) 8792	•	8688	(4)	8542 (5)	8466
80.	339, 733, 1327, 2201, 3371, ?				1015	
	(1) 4677 (2) 4757	` '	4837	` '		5007
	Directions (Q. 81-85): What	will be th	e next nu	ımber in	the following nu	mber series?
81.	3, 14, 83, 254, 627, ?					
	(1) 1292 (2) 1294	(3)	1296	(4)	1298 (5)	1300
82.	18, 31, 83, 317, 1565, ?					
	(1) 9365 (2) 9375	(3)	9385	(4)	9395 (5)	9405
83.	43, 145, 381, 841, 1639, ?					
	(1) 2911 (2) 2913	(3)	2915	(4)	2917 (5)	2919
84.	27, 38, 64, 86, 125, ?					
	(1) 152 (2) 154	(3)	156	(4)	158 (5)	160
85.	12, 39, 120, 363, 1092, ?					
	(1) 3275 (2) 3279	, ,	3284	` 1	` '	3291
	Directions (Q. 86-88): What	will come	in place	of questi	on mark (?) in the	following number
series'						
86.	5 15 35 75 155 (?)					
	(1) 295 (2) 315	(3)	275	(4)	305 (5)	None of these
87.	3 6 18 72 360 (?)					
	(1) 2160 (2) 1800	` '	2520	(4)	1440 (5)	None of these
88.	688 472 347 283 256 (?	?)			, ,	
88.	688 472 347 283 256 (7 (1) 236 (2) 229	(3)	255	(4)	248 (5)	None of these
	688 472 347 283 256 (2) 229 Directions (Q. 89-93): Find on	(3)	255	(4)	248 (5)	None of these
numbe	688 472 347 283 256 (2) (1) 236 (2) 229 Directions (Q. 89-93): Find our series.	(3) ut the nex	255	(4)	248 (5)	None of these
	688 472 347 283 256 (2) 229 Directions (Q. 89-93): Find or series. 25, 42, 85, 174, 335	(3) ut the nex	255 t number	(4) in place	248 (5) of question mark	None of these (?) in the following
numbe	688 472 347 283 256 (2) (1) 236 (2) 229 Directions (Q. 89-93): Find our series.	(3) ut the nex (5, ?	255 t number 600	(4) in place	248 (5) of question mark	None of these
numbe 89.	688 472 347 283 256 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275 (2) 253280	(3) ut the nex (5, ? (3) 42340, (3)	255 t number 600 ? 253285	(4) • in place (4)	248 (5) of question mark	None of these (?) in the following
numbe 89.	688 472 347 283 256 (2) (1) 236 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275. (2) 253280 62, 177, 512, 1507,	(3) ut the nex (5, ? (3) 42340, (3) 4482, ?	255 t number 600 ? 253285	(4) r in place (4) (4)	248 (5) of question mark 612 (5) 253290 (5)	None of these (?) in the following 650 253295
numbe 89. 90. 91.	688 472 347 283 256 (2) (1) 236 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275 (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397	(3) ut the nex 5, ? (3) 42340, (3) 4482, ?	255 t number 600 ? 253285 13398	(4) r in place (4) (4)	248 (5) of question mark 612 (5) 253290 (5)	None of these (?) in the following 650
numbe 89. 90.	688 472 347 283 256 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275. (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308	(3) ut the nex (5, ? (3) 42340, (3) 4482, ? (3) 624, 373	255 t number 600 ? 253285 13398 85, ?	(4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5)	None of these (?) in the following 650 253295 13400
numbe 89. 90. 91.	688 472 347 283 256 (2) 229 Directions (Q. 89-93): Find or series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275. (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308 (1) 42422 (2) 42424	(3) at the nex (5, ? (3) 42340, (3) 4482, ? (3) 524, 373 (3)	255 t number 600 ? 253285 13398	(4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5)	None of these (?) in the following 650 253295
numbe 89. 90. 91.	688 472 347 283 256 (2) 1 236 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275 (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308 (1) 42422 (2) 42424 800, 160, 48, 19.2, 9	(3) ut the nex (3) 42340, (3) 4482, (3) 224, 373 (3) 9.6 ?	255 t number 600 ? 253285 13398 85, ? 42426	(4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5)	None of these (?) in the following 650 253295 13400 42430'
numbe 89. 90. 91.	688 472 347 283 256 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 (365, 728, 2160, 8532, (1) 253275. (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308 (1) 42422 (2) 42424 800, 160, 48, 19.2, (1) 6.48 (2) 5.76	(3) (3) (4) (4) (4) (4) (4) (4)	255 t number 600 ? 253285 13398 85, ? 42426 5.12	(4) (4) (4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5)	None of these (?) in the following 650 253295 13400 42430' 4.56
numbe 89. 90. 91. 92.	688 472 347 283 256 (2) 1 236 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275 (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308 (1) 42422 (2) 42424 800, 160, 48, 19.2, 9	(3) (3) (4) (4) (4) (4) (4) (4)	255 t number 600 ? 253285 13398 85, ? 42426 5.12	(4) (4) (4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5)	None of these (?) in the following 650 253295 13400 42430' 4.56
numbe 89. 90. 91. 92.	688 472 347 283 256 (2) 1 236 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 (365, 728, 2160, 8532, (1) 253275. (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308 (1) 42422 (2) 42424 800, 160, 48, 19.2, (1) 6.48 (2) 5.76 Directions (Q. 94-98): Find ter series. 57, 66, 101, 192, 381, ?	(3) ut the nex (3) 42340, (3) 4482, (3) 224, 373 (3) 9.6 (3)	255 t number 600 ? 253285 13398 85, ? 42426 5.12 number in	(4) (4) (4) (4) (4) (4) (4) (4) (1)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5) f question mark	None of these (?) in the following 650 253295 13400 42430' 4.56 (?) in the following
number 89. 90. 91. 92. 93. number 94.	688 472 347 283 256 (2) 1 236 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 (365, 728, 2160, 8532, (1) 253275. (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308 (1) 42422 (2) 42424 800, 160, 48, 19.2, (2) 5.76 Directions (Q. 94-98): Find the series. 57, 66, 101, 192, 381, ? (1) 722 (2) 724	(3) ut the nex (3) 42340, (3) 4482, (3) 224, 373 (3) 9.6 (3)	255 t number 600 ? 253285 13398 85, ? 42426 5.12	(4) (4) (4) (4) (4) (4) (4) (4) (1)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5) f question mark	None of these (?) in the following 650 253295 13400 42430' 4.56
number 89. 90. 91. 92. 93.	688 472 347 283 256 (2) 1 236 (2) 229 Directions (Q. 89-93): Find or series. 25, 42, 85, 174, 335 (1) 525 (2) 575 (2) 575 (365, 728, 2160, 8532, (1) 253275. (2) 253280 (62, 177, 512, 1507, (1) 13396 (2) 13397 (21, 12342, 22543, 308 (1) 42422 (2) 42424 (800, 160, 48, 19.2, (1) 6.48 (2) 5.76 Directions (Q. 94-98): Find the series. 57, 66, 101, 192, 381, ? (1) 722 (2) 724 (7, 19, 55, 163, 487, ?	(3) at the nex (5, ? (3) 42340, (3) 4482, ? (3) 524, 373 (3) 9.6 ? (3) the next r (3)	255 t number 600 ? 253285 13398 85, ? 42426 5.12 number in 726	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5) f question mark (5) 728 (5)	None of these (?) in the following 650 253295 13400 42430' 4.56 (?) in the following
number 89. 90. 91. 92. 93. number 94.	688 472 347 283 256 (3) (1) 236 (2) 229 Directions (Q. 89-93): Find or series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275. (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308 (1) 42422 (2) 42424 800, 160, 48, 19.2, (1) 6.48 (2) 5.76 Directions (Q. 94-98): Find the series. 57, 66, 101, 192, 381, ? (1) 722 (2) 724 7, 19, 55, 163, 487, ? (1) 1451 (2) 1453	(3) at the nex (5, ? (3) 42340, (3) 4482, ? (3) 524, 373 (3) 9.6 ? (3) the next r (3)	255 t number 600 ? 253285 13398 85, ? 42426 5.12 number in	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5) f question mark (5) 728 (5)	None of these (?) in the following 650 253295 13400 42430' 4.56 (?) in the following
number 89. 90. 91. 92. 93. number 94.	688 472 347 283 256 (2) 1 236 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 (2) 575 (365, 728, 2160, 8532, (1) 253275. (2) 253280 (62, 177, 512, 1507, (1) 13396 (2) 13397 (21, 12342, 22543, 308 (1) 42422 (2) 42424 (800, 160, 48, 19.2, 91) (1) 6.48 (2) 5.76 Directions (Q. 94-98): Find the series. 57, 66, 101, 192, 381, ? (1) 722 (2) 724 (7, 19, 55, 163, 487, ? (1) 1451 (2) 1453 12, 28, 92, 236, 492, 892, ?	(3) ut the nex (5, ? (3) 42340, (3) 4482, ? (3) (24, 373 (3) (9.6 ? (3) the next r (3) (3)	255 t number 600 ? 253285 13398 85, ? 42426 5.12 number in 726 1455	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5) f question mark (5) 728 (5) 1457 (5)	None of these (?) in the following 650 253295 13400 42430' 4.56 ?) in the following 730' 1459
number 89. 90. 91. 92. 93. number 94. 95.	688 472 347 283 256 (2) 1 236 (2) 229 Directions (Q. 89-93): Find or series. 25, 42, 85, 174, 335 (1) 525 (2) 575 (2) 575 (365, 728, 2160, 8532, (1) 253275. (2) 253280 (62, 177, 512, 1507, (1) 13396 (2) 13397 (21, 12342, 22543, 308 (1) 42422 (2) 42424 (800, 160, 48, 19.2, 9) (1) 6.48 (2) 5.76 Directions (Q. 94-98): Find the series. 57, 66, 101, 192, 381, ? (1) 722 (2) 724 (7, 19, 55, 163, 487, ? (1) 1451 (2) 1453 (2) 1458 (2) 1468	(3) ut the nex (3) 42340, (3) 4482, (3) (24, 373 (3) 9.6 ? (3) the next r (3) (3)	255 t number 600 ? 253285 13398 85, ? 42426 5.12 number in 726	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5) f question mark (5) 728 (5) 1457 (5)	None of these (?) in the following 650 253295 13400 42430' 4.56 (?) in the following
number 89. 90. 91. 92. 93. number 94.	688 472 347 283 256 (2) 1 236 (2) 229 Directions (Q. 89-93): Find order series. 25, 42, 85, 174, 335 (1) 525 (2) 575 (2) 575 (365, 728, 2160, 8532, (1) 253275. (2) 253280 (62, 177, 512, 1507, (1) 13396 (2) 13397 (21, 12342, 22543, 308 (1) 42422 (2) 42424 (800, 160, 48, 19.2, 91) (1) 6.48 (2) 5.76 Directions (Q. 94-98): Find the series. 57, 66, 101, 192, 381, ? (1) 722 (2) 724 (7, 19, 55, 163, 487, ? (1) 1451 (2) 1453 12, 28, 92, 236, 492, 892, ?	(3) at the nex (5, ? (3) 42340, (3) 4482, ? (3) (24, 373 (3) (9.6 ? (3) the next r (3) (3) (3)	255 t number 600 ? 253285 13398 85, ? 42426 5.12 number in 726 1455	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5) f question mark 728 (5) 1457 (5)	None of these (?) in the following 650 253295 13400 42430' 4.56 ?) in the following 730' 1459
number 89. 90. 91. 92. 93. number 94. 95.	688 472 347 283 256 (3) (1) 236 (2) 229 Directions (Q. 89-93): Find or series. 25, 42, 85, 174, 335 (1) 525 (2) 575 365, 728, 2160, 8532, (1) 253275. (2) 253280 62, 177, 512, 1507, (1) 13396 (2) 13397 21, 12342, 22543, 308 (1) 42422 (2) 42424 800, 160, 48, 19.2, (1) 6.48 (2) 5.76 Directions (Q. 94-98): Find ter series. 57, 66, 101, 192, 381,? (1) 722 (2) 724 7, 19, 55, 163, 487,? (1) 1451 (2) 1453 12, 28, 92, 236, 492, 892,? (1) 1458 (2) 1468 8400, 7376, 6592, 6016, 5616	(3) (4) (4) (4) (4) (4) (4) (4)	255 t number 600 ? 253285 13398 85, ? 42426 5.12 number in 726 1455 1478	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	248 (5) of question mark 612 (5) 253290 (5) 13399 (5) 42428 (5) 4.84 (5) f question mark 728 (5) 1457 (5)	None of these (?) in the following 650 253295 13400 42430' 4.56 (?) in the following 730' 1459 1498

			64			
	(1) 530.6 (2) 5	32.6 (3) 534.6	(4)	536.6	(5) 538.6
	Directions (Q. 99-103)	: Find the nex	t number	in the fo	ollowing num	ber series.
99.	63 95 119 1	35 143 ?			_	
	(1) 151 (2) 15		162	(4)	168	(5) None of these
100.		57 982 ?		()		
	(1) 1632 (2) 18		2040	(4)	2278	(5) 2412
101.		22 1598 ?	•	()		
	(1) 4832 (2) 48) 4836	(4)	4838	(5) 4840
102.	4830 4556 4290 4		,	()		
102.	(1) 3510 (2) 35		3530	(4)	3540	(5) 3550
103.	1320 1313 1288 1			(')	0010	(8) 8888
100.	(1) 875 (2) 88		885	(4)	890	(5) 895
		·		` '		eries is given. In each
corio	s only one number is wro				s a number s	eries is given. in each
104.	5531 5506 542		_	4910	4621	
104.						(E) EEO6
105	(1) 5531 (2) 54	·) 4621	(4)	5135	(5) 5506
105.	6 7 9 13			(4)	0.77	(5) 0
100	(1) 7 (2) 26	•) 69	(4)	37	(5) 9
106.	1 3 10 36 152 760 4632			440		(=) 1=0
//	(1) 3 (2) 36) (3) 4632	(4)	760	(5) 152
107.	4 3 9 34 96 219 435					
	(1) 4 (2) 9	(3) 34	(4)	435	(5) 219
108.	157.5 45 15 6 3 2 1					
	(1) 1 (2) 2	•) 6	, ,	157.5	(5) 45
	Directions (Q. 109-113	3) : Find out th	ie next nu	mber in	place of ques	tion mark (?) in the
follov	ving number series.					
109.	27, 50, 192, 1	140, 9104,	5			
	(1) 90080 (2) 91	.020 (3	92410	(4)	92740	(5) None of these
110.	16, 49, 345, 3	798, ?				
	(1) 56974 (2) 56	5812 (3	55784	(4)	54312	(5) None of these
111.	5, 47, 417, 332	27, 23277,	5			
		33712 (3	135416	(4)	139647	(5) None of these
112.		19, 8797,		` '		
			35253	(4)	35416	(5) 35622
113.	7, 736, 1248,			()		
	(1) 1932 (2) 20		2140	(4)	2190	(5) 2216
	Directions (Q. 114-118	,	,			The state of the s
numl	oer series?	•	•	-	•	,
114.		87 337 ?				
	(1) 391 (2) 40) 412	(4)	416	(5) 421
115.		613 6125 ?	,	(-)		(3)
110.	(1) 6311 (2) 63) 6331	(4)	6341	(5) 6351
116.	` '	600 ? 162		(-1)	0041	(3) 0331
110.				(4)	660	(5) 675
117	(1) 630 (2) 64	•) 650	(+)	660	(5) 675
117.	43.5 57 70.5 84) 115	(4)	101	(E) 104
110	(1) 109 (2) 11	·) 115	(4)	121	(5) 124
118.	5 87 601 ?		26415	(4)	2005	(5) 0105
	(1) 2775 (2) 28	•) 2915	` '	3005	(5) 3135
-	Directions (Q. 119-123)	: What will be t	ne next nu	mber in t	he question n	nark (?) in the following
	per series?					
119.	7922, 7746, 7572, 7400					
	(1) 7060 (2) 7	062 (3	7064	(4)	7066	(5) 7068
	Daily Vie	it · Government	mon chhe	Join He	t me/Go Buz	7

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120.
       54, 68,
               84,
                     102, 122, 144, ?
       (1) 162
                        (2) 164
                                         (3) 166
                                                          (4) 168
                                                                           (5) 170
       18, 32,
                       200,
                             578, 1712, ?
121.
                        (2) 5112
       (1) 5110
                                         (3) 5114
                                                          (4) 5116
                                                                           (5) 5118
                  2067, 2410, 2535,
122.
                                        2562,
      7, 1338,
      (1) 2563
                        (2) 2572
                                         (3) 2584
                                                          (4) 2590
                                                                           (5) None of these
123.
      36, 77, 241, 979, 4915, ?
                                                                           (5) 29525
                                         (3) 29515
                                                          (4) 29520
      (1) 29505
                        (2) 29510
      Directions (Q. 124-128): Find out the next number in place of question mark(?) in the
following number series.
                                          ?
124.
      1320
            990
                           504
                                  336
                                         (3)208
                                                          (4) 210
                                                                           (5) 212
      (1)204
                        (2)206
125.
      8
             73
                    587
                           4114
                                  24691 ?
      (1) 123456
                        (2) 123464
                                         (3) 123454
                                                          (4) 123446
                                                                            (5) None of these
126.
                    2401
                           7776
      81
             512
      (1) 12525
                        (2) 14275
                                         (3) 15625
                                                          (4) 17525
                                                                           (5) 18250
127.
      5679
                5560
                                    4965
                                                4489
                           5322
      (1) 3890
                        (2) 3891
                                         (3) 3892
                                                          (4) 3893
                                                                           (5) 3894
                                  630
                                         1885 ?
128.
      12
             27
                    73
                           212
                                         (3) 5653
                                                          (4) 5654
                                                                           (5) 5655
                        (2) 5652
      (1) 5651
      Directions (Q. 129-133): Find out the next number in the following number series.
129.
              1112
                    1322 1478
                                  1588
      (1) 1672
                        (2)\ 1668
                                         (3) 1665
                                                          (4) 1662
                                                                           (5)\ 1660
130.
      76
             588
                    2316
                          6412
                                  14412
      (1)28216
                        (2) 28226
                                         (3)28236
                                                          (4) 28246
                                                                           (5)28256
131.
      20
             100
                    244
                           452
                                  724
                                         1060 ?
                        (2) 1460
      (1) 1450
                                         (3) 1470
                                                          (4) 1480
                                                                           (5) 1490
132.
      4984 4408
                    3967
                           3643
                                  3418
                                         3274 ?
                        (2) 3183
                                         (3) 3173
                                                          (4) 3163
      (1) 3193
                                                                           (5) 3153
133.
      1338 2328
                     3048
                          3552
                                  3888
                                         4098 ?
                                                          (4) 4232
      (1) 4332
                        (2) 4223
                                         (3) 4218
                                                                           (5) 4323
      Directions (Q. 134-136): What will come in place of question mark (?) in the following
number series?
134.
      987, 587 331
                       187 123
                                                          (4) 114
      (1) 104
                        (2) 113
                                         (3) 107
                                                                            (5) None of these
135.
      125 171
                  263 401
                            585
      (1)835
                        (2)815
                                         (3)792
                                                          (4)788
                                                                            (5) None of these
                  167 226 309
      121 132
136.
      (1) 424
                        (2) 413
                                         (3) 427
                                                          (4) 416
                                                                            (5) None of these
      Directions (Q. 137-138): In the following number series, only one is wrong. Find out the
wrong number.
      454 327 648 524 842 713
137.
       (1) 327
                        (2)648
                                         (3) 521
                                                           (4)842
                                                                           (5)713
138. 72.5 86
                113 168 275 491 923
                        (2) 113
                                         (3) 168
                                                          (4) 275
      Directions (Q. 139 - 143): Find out the number in place of question mark(?) in the following
number series.
139.
      112
           121 146
                       195 276 ? 566
      (1)381
                        (2)392
                                         (3)397
                                                          (4) 403
                                                                           (5) 411
140.
      1365 2590 4190 6215 ? 11740
                                                          (4)9175
      (1)8525
                                                                           (5)9295
                        (2)8715
                                         (3)8945
```

		66			
141.	5 153 2430 ? 350053 315	50801			
	(1) 29615 (2) 29832	(3) 30640	(4)	30998	(5) 31798
142.	240 163 108 75 64 ?				
	(1) 55 (2) 52	(3) 51	(4)	45	(5) None of these
143.	12.8 11.52 10.16 8.82 7.5		(4)		(T) = 40
	(1) 6.20 (2) 6.14	(3) 5.84	` '	5.44	(5) 5.12
follow	Directions (Q. 144-148): Find	out the next n	umber in 1	place of ques	stion mark (?) in the
144.	ring number series. 1 8 21 42 73 116 ?				
177.	(1) 173 (2) 177	(3) 181	(4)	184	(5) 187
145.	15 96 160 209 245 ?	(0) 101	(·)	10.	(8) 18.
110.	(1) 295 (2) 286	(3) 278	(4)	270	(5) 264
146.	5 16 25.8 37.8 52 68.4				(1)
	(1) 82.8 (2) 84	(3) 85.4	(4)	87	(5) 89.2
147.	12 37 43 92 100 ?				
	(1) 132 (2) 158	(3) 164	(4)	181	(5) 195
148.	1 28 92 217 433 776	5			
	(1) 924 (2) 1148	(3) 1288		1304	(5) 1321
1	Directions (Q. 149–153): In ea	-		ımber series	is given. In each series
	one number is wrong. Find out the 4 11 36 96 218 429	he wrong numbe	er.		
149.		(2) 06	(4)	010	(5) 429
150.	(1) 11 (2) 36 68 127 333 1232	(3) 96 5985 35640		218	(3) 429
150.	(1) 127 (2) 333	(3) 1232		5985	(5) 35640
151.	14 17 35 83 188 379	(0) 1202	(')	0300	(6) 333.13
		(0) 00	(4)	100	(F) 270
	(1) 17 (2) 33	(3) 83	(4)	188	(5) 379
152.	(1) 17 (2) 35 1248 1872 4680 16380	(3) 83 73712 4054		188	(5) 379
152.	` '	` '	105	73712	(5) 405405
152. 153.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40	73712 4054 (3) 16380 96 62	(4)	73712	(5) 405405
	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44	73712 4054 (3) 16380 96 62 (3) 28	(4) (4)	73712 64	(5) 405405 (5) 40
153.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What	73712 4054 (3) 16380 96 62 (3) 28	(4) (4)	73712 64	(5) 405405 (5) 40
153.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What	73712 4054 (3) 16380 96 62 (3) 28	(4) (4)	73712 64	(5) 405405 (5) 40
153.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What we see the second s	73712 4054 (3) 16380 96 62 (3) 28 will come in place	(4) (4) ce of quest:	73712 64 ion mark (?) i	(5) 405405 (5) 40 In the following number
153. series 154.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What we will be a second	73712 4054 (3) 16380 96 62 (3) 28	(4) (4) ce of quest:	73712 64	(5) 405405 (5) 40
153. series 154.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (?) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'?	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167	(4) (4) (4)	73712 64 ion mark (?) i	(5) 405405 (5) 40 In the following number (5) None of these
153. series 154. 155.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What we will be a second	73712 4054 (3) 16380 96 62 (3) 28 will come in place	(4) (4) (4)	73712 64 ion mark (?) i	(5) 405405 (5) 40 In the following number
153. series 154.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (P) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167	(4) (2) (4) (4) (4) (4)	73712 64 ion mark (?) i	(5) 405405 (5) 40 In the following number (5) None of these
153. series 154. 155.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What we will be a second of the	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317	(4) (2) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323	(5) 405405 (5) 40 In the following number (5) None of these (5) None of these
153. series 154. 155. 156.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What was a second	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317	(4) (2) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323	(5) 405405 (5) 40 In the following number (5) None of these (5) None of these
153. series 154. 155. 156.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (P) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ?	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308	(4) (4) (2) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307	(5) 405405 (5) 40 In the following number (5) None of these (5) None of these (5) None of these (5) None of these
153. series 154. 155. 156. 157.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What versions (Q,	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764	(4) (4) (2) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307	(5) 405405 (5) 40 (n the following number (5) None of these
153. series 154. 155. 156. 157. 158.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (P) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ? (1) 304 (2) 313 24 536 487 703 678 ? (1) 768 (2) 748 Directions (Q. 159-163): Find	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764	(4) (4) (2) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307	(5) 405405 (5) 40 (n the following number (5) None of these
153. series 154. 155. 156. 157. 158.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (P) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ? (1) 304 (2) 313 24 536 487 703 678 ? (1) 768 (2) 748 Directions (Q. 159-163): Find er series.	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764	(4) (4) (2) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307	(5) 405405 (5) 40 (n the following number (5) None of these
153. series 154. 155. 156. 157. 158.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What we will be seen to	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764 out the number	(4) (4) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307 742 of question m	(5) 405405 (5) 40 In the following number (5) None of these hark(?) in the following
153. series 154. 155. 156. 157. 158. numb 159.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What is: 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ? (1) 304 (2) 313 24 536 487 703 678 ? (1) 768 (2) 748 Directions (Q. 159-163): Find er series. 232 360 530 748 1020 ? (1) 1350 (2) 1352	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764	(4) (4) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307	(5) 405405 (5) 40 (n the following number (5) None of these
153. series 154. 155. 156. 157. 158.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (P) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ? (1) 304 (2) 313 24 536 487 703 678 ? (1) 768 (2) 748 Directions (Q. 159-163): Find er series. 232 360 530 748 1020 ? (1) 1350 (2) 1352 6 21 101 601 4201 ?	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764 out the number (3) 1354	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307 742 of question m	(5) 405405 (5) 40 In the following number (5) None of these ark(?) in the following (5) 1358
153. series 154. 155. 156. 157. 158. numb 159. 160.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (P) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ? (1) 304 (2) 313 24 536 487 703 678 ? (1) 768 (2) 748 Directions (Q. 159-163): Find er series. 232 360 530 748 1020 ? (1) 1350 (2) 1352 6 21 101 601 4201 ? (1) 33601 (2) 33602	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764 out the number (3) 1354 (3) 33603	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307 742 of question m	(5) 405405 (5) 40 In the following number (5) None of these hark(?) in the following
153. series 154. 155. 156. 157. 158. numb 159.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (P) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ? (1) 304 (2) 313 24 536 487 703 678 ? (1) 768 (2) 748 Directions (Q. 159-163): Find er series. 232 360 530 748 1020 ? (1) 1350 (2) 1352 6 21 101 601 4201 ? (1) 33601 (2) 33602 117 365 861 1853 3837	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764 out the number (3) 1354 (3) 33603	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307 742 of question n 1356 33604	(5) 405405 (5) 40 In the following number (5) None of these ark(?) in the following (5) 1358 (5) 33605
153. series 154. 155. 156. 157. 158. numb 159. 160.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What (P) 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ? (1) 304 (2) 313 24 536 487 703 678 ? (1) 768 (2) 748 Directions (Q. 159-163): Find er series. 232 360 530 748 1020 ? (1) 1350 (2) 1352 6 21 101 601 4201 ? (1) 33601 (2) 33602	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764 out the number (3) 1354 (3) 33603	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307 742 of question m	(5) 405405 (5) 40 In the following number (5) None of these ark(?) in the following (5) 1358
153. series 154. 155. 156. 157. 158. numb 159. 160. 161.	1248 1872 4680 16380 (1) 1872 (2) 4680 36 20 44 28 64 40 (1) 20 (2) 44 Directions (Q, 154-158): What is: 123 277 459 669 907 ? (1) 1179 (2) 1173 456.5 407 368.5 341 324.5'? (1) 321 (2) 319 23 42.2 80.6 157.4 311 ? (1) 618.2 (2) 623.6 36 154 232 278 300 ? (1) 304 (2) 313 24 536 487 703 678 ? (1) 768 (2) 748 Directions (Q. 159-163): Find er series. 232 360 530 748 1020 ? (1) 1350 (2) 1352 6 21 101 601 4201 ? (1) 33601 (2) 33602 117 365 861 1853 3837 (1) 7801 (2) 7802	73712 4054 (3) 16380 96 62 (3) 28 will come in place (3) 1167 (3) 317 (3) 624.2 (3) 308 (3) 764 out the number (3) 1354 (3) 33603	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	73712 64 ion mark (?) i 1169 323 616.6 307 742 of question n 1356 33604	(5) 405405 (5) 40 In the following number (5) None of these ark(?) in the following (5) 1358 (5) 33605

		67			
163.	27 370 1099 2430 4627 ?				
	(1) 8002 (2) 8004	(3) 8006	(4)	8008	(5) 8010
	Directions (Q. 164-168): Find ou	t the number:	in place o	of question m	ark(?) in the following
	ber series.				
164.			5		
	(1) 2015 (2) 2016	(3) 2017	(4)	2018	(5) 2019
165.		2832 ?			
1.00	(1) 273994 (2) 273996	(3) 273998	(4)	273992	(5) 273990
166.		223 ?	(4)	000	(5) 201
1.67	(1) 289 (2) 287	(3) 285	(4)	283	(5) 281
167.	13 19 50 168 696 3 (1) 21090 (2) 21092	3510 ? (3) 21094	(4)	21096	(5) 21098
168.	` '	151 ?	(+)	21090	(3) 21098
100.	(1) 190 (2) 191	(3) 192	(4)	193	(5) 194
	Directions (Q. 169-173) : Find ou		, ,		•
num	ber series.	it the number	in place (or question in	arm(.) in the lollowing
169.					
105.	(1) 72 (2) 119	(2) 64	(4)	102	(5) 70
170		(3) 64	(4)	123	(5) 72
170.		(2) 00			(=) =0
-/4.	(1) 48 (2) 150	(3) 90	(4)	45	(5) 78
171.					
	(1) 105 (2) 103	(3) 102	(4)	98	(5) 65
172.	66.5 93.5 112.5 123.5 126.	5 ?			
	(1) 121.5 (2) 108.5	(3) 138.9	(4)	136.9	(5) 135.9
173.	39 48 53 54 51 ?				
		(3) 33	(4)	46	(5) 48
	(1) 59 (2) 44	` 1	` '		()
follo	(1) 59 (2) 44 Directions (Q. 174-178) : Find o	` 1	` '		()
follo 174.	(1) 59 (2) 44 Directions (Q. 174-178) : Find or wing number series.	` 1	` '		()
	(1) 59 (2) 44 Directions (Q. 174-178) : Find or wing number series. 150 252 392 576 810 ?	ut the next nu	mber in	place of ques	tion mark (?) in the
	(1) 59 (2) 44 Directions (Q. 174-178) : Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200	` 1	mber in		()
174.	(1) 59 (2) 44 Directions (Q. 174-178) : Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200	(3) 1300	mber in	place of ques	tion mark (?) in the
174.	(1) 59 (2) 44 Directions (Q. 174-178) : Find or Inving number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881	(3) 1300	mber in	place of ques	(5) 1144
174. 175.	(1) 59 (2) 44 Directions (Q. 174-178) : Find or Inving number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881	(3) 1300 100 ? (3) 95964	(4)	place of ques	(5) 1144
174. 175.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781	(3) 1300 100 ? (3) 95964 122	(4)	place of ques 1089 78873	(5) 1144 (5) 54100
174. 175. 176.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781	(3) 1300 100 ? (3) 95964 122	(4)	place of ques 1089 78873 3192	(5) 1144 (5) 54100
174. 175. 176.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88	(3) 1300 100 ? (3) 95964 122 (3) 1260	(4) (4) (4)	place of ques 1089 78873 3192	(5) 1144 (5) 54100 (5) 1159
174. 175. 176. 177.	(1) 59 (2) 44 Directions (Q. 174-178): Find or swing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90	(4) (4) (4) (4)	place of ques 1089 78873 3192	(5) 1144 (5) 54100 (5) 1159
174. 175. 176. 177.	(1) 59 (2) 44 Directions (Q. 174-178): Find or owing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 (2) 1395 (1) 1395 (2) 1482 Directions (Q. 179-183): In each	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest	(4) (4) (4) (4) (4) (5) (4) (4)	place of ques 1089 78873 3192 84 1485	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681
174. 175. 176. 177. 178. only	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 (2) 1395 (1) 1395 (2) 1482 Directions (Q. 179-183): In each cone number is wrong. Find out the	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest	(4) (4) (4) (4) (4) (5) (4) (4) (5)	place of ques 1089 78873 3192 84 1485	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681
174. 175. 176. 177.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 2 (1) 1395 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the fore number is wrong.	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336	(4) (4) (4) (4) (4) (5) (4) (1) (4) (4) (4) (4) (5) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	1089 78873 3192 84 1485 Imber series	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681 is given. In each series
174. 175. 176. 177. 178. only 179.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 2 (1) 1395 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the 1716 1320 1000 720 (1) 720 (2) 504	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336 (3) 1000	(4) (4) (4) (4) (4) (5) (4) (1) (4) (4) (4) (4) (5) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	place of ques 1089 78873 3192 84 1485	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681
174. 175. 176. 177. 178. only	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the 1716 1320 1000 720 (1) 720 (2) 504 1217 1083 957 833 720	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336 (3) 1000 618 524	(4) (4) (4) (4) (4) (ions a number in (4) (4) (4)	1089 78873 3192 84 1485 mber series	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681 is given. In each series
174. 175. 176. 177. 178. only 179. 180.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the 1716 1320 1000 720 (1) 720 (2) 504 1217 1083 957 833 720 (1) 720 (2) 833	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336 (3) 1000 618 524 (3) 618	(4) (4) (4) (4) (4) (ions a number in (4) (4) (4) (4) (4) (4) (4)	1089 78873 3192 84 1485 Imber series	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681 is given. In each series
174. 175. 176. 177. 178. only 179.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 2 (1) 1395 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the form the following series in	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336 (3) 1000 618 524 (3) 618 2283 458	(4) (4) (4) (4) (4) (5) (4) (4) (4) (4) (4) (4) (4) (4) (4)	1089 78873 3192 84 1485 amber series i	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681 is given. In each series (5) 336 (5) 957
174. 175. 176. 177. 178. only 179. 180. 181.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 2 (1) 1395 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the form number is wrong.	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336 (3) 1000 618 524 (3) 618 2283 458 (3) 4585	(4) (4) (4) (4) (4) (5) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1089 78873 3192 84 1485 mber series	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681 is given. In each series
174. 175. 176. 177. 178. only 179. 180.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the 1716 1320 1000 720 (1) 720 (2) 504 1217 1083 957 833 720 (1) 720 (2) 833 16 47 199 771 (1) 4581 (2) 199 2769 2213 1737 1335	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336 (3) 1000 618 524 (3) 618 2283 458 (3) 4585 1000 810	(4) (4) (4) (4) (4) (5) (4) (4) (4) (4) (4) (4) (4) (5) (4) (5) (4) (5)	1089 78873 3192 84 1485 mber series i	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681 is given. In each series (5) 336 (5) 957 (5) 771
174. 175. 176. 177. 178. only 179. 180. 181.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the 1716 1320 1000 720 (1) 720 (2) 504 1217 1083 957 833 720 (1) 720 (2) 833 16 47 199 771 (1) 4581 (2) 199 2769 2213 1737 1335 (1) 810 (2) 1335	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336 (3) 1000 618 524 (3) 618 2283 458 (3) 4585 1000 810 (3) 2213	(4) (4) (4) (4) (4) (4) (5) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1089 78873 3192 84 1485 amber series i	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681 is given. In each series (5) 336 (5) 957
174. 175. 176. 177. 178. only 179. 180. 181.	(1) 59 (2) 44 Directions (Q. 174-178): Find or wing number series. 150 252 392 576 810 ? (1) 1100 (2) 1200 100 3700 10900 21700 361 (1) 37528 (2) 44881 1482 1406 1332 ? 1190 1 (1) 1352 (2) 1781 2 12 30 56 ? 132 (1) 78 (2) 88 1023 1224 ? 1680 1935 (2) 1482 Directions (Q. 179-183): In each one number is wrong. Find out the fone number is wrong.	(3) 1300 100 ? (3) 95964 122 (3) 1260 (3) 90 2208 (3) 1443 of these quest wrong number 504 336 (3) 1000 618 524 (3) 618 2283 458 (3) 4585 1000 810 (3) 2213	(4) (4) (4) (4) (4) (4) (5) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1089 78873 3192 84 1485 mber series i	(5) 1144 (5) 54100 (5) 1159 (5) 81 (5) 1681 is given. In each series (5) 336 (5) 957 (5) 771

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`	v	

				68					
	(1) 350	(2) 363	(3)	396		(4)	231	(5) 286	
	Directions (Q.	184-188) : In e	each of th	ese quest	tions a	a nu	ımber serie	s is given. In each series	;
only o	one number is w	rong. Find out	the wron	g number					
184.	6821 5868	4879 4130	3345	2272	2171				
	(1) 4879	(2)4130	(3)	2171		(4)	3345	(5) 2272	
185.	1095 1217	1379 1508	1686	1842	2034				
	(1) 1508	(2) 1686	` '	1842		(4)	2034	(5) 1379	
186.	31.5 47.5	59.5 67.5	71.5	79.5	67.5				
	(1) 71.5	(2) 79.5	` '	31.5		(4)	59.5	(5) 47.5	
187.	15 8	35 24	63		99				
	(1) 35	(2) 63	` ′	49		(4)	24	(5) 8	
188.	132 200	253 288	308		300				
	(1) 132	(2) 253	` '	288		` '	312	(5) 308	
		189-191) : W	hat will o	come in p	lace o	of q	uestion ma	rk (?) in the following	
189.	er series. 53 74	123	100 1	.45)				
109.	(1) 196	(2) 172		136		(4)	96	(5) 78	
190.	145 180	,	•)	(+)	90	(3) 18	
190.	(1) 900	(2) 948		975 .		(4)	1015	(5) 1125	
191.	12 24	•	•)	(1)	1010	(0) 1120	
7 7 1.	(1) 248	(2) 264		278		(4)	284	(5) 296	
	•	•	,			•		in the following number	1
series				o III piuo	01 q u) (· ,		
192.	180 364	528	648	700		?			
1) 24.								(T)	
	(1) 840	(2) 800	(3)	760		(4)	720	(5) 660	
193.	1 33	161	513	1249		5			
	(1) 2213	(2) 2353	(3)	2463		(4)	2593	(5) 2603	
194.	28 126	378	860	1720		?			
	(1) 3066	(2) 2066		3056			3266	(5) None of these	
	. ,	` '	` ′					, ,	
195.	What will come	e in place of qu	estion mai	rk (?) in tl	ie give	en n	umber serie	es	
	7, 15, 53, 239,	1259,?							
	(1) 7246	(2) 7312	(3)	7468		(4)	7549	(5) 7679	
	, •	196-200) : Fin	d out the	number i	in plac	ce o	f question	mark (?) in the following	
numb	er series.								
196.	529 841 96	1 1369 168	1 1849	5					
	(1) 2809	(2) 3249	(3)	2208		(4)	6424	(5) 2209	
197.	1108 1117	1142 1191	? 1481						
	(1) 1312	(2) 1272	(3)	1300		(4)	1204	(5) None of these	
198.	841 961 1089	1225 1369 1521	1 ?						
	(1) 1785	(2) 1581	(3)	1681		(4)	1881	(5) 1781	
199.	12 14 32	102' 416 20	` ′			` '			
	(1) 15522	(2) 12552		13525		(4)	17552	(5) None of these	
200.	384 381 37	` '	` ′	10040		(')	002	(0) 1.0110 01 111000	
200.	(1) 25	(2) 27		44		(4)	40	(5) None of these	
	` '		` ´		1200	` '		ark (?) in the following	
րսահ	er series.	201-200j : FII	iu the nu	TINGI III]	JIACE	or q	ucstivii iilä	ur (:) in the ionowing	

3

	70	
219.	6 24 60 120 210 340 504	
	(1) 24 (2) 60 (3) 340	(4) 210 (5) 504
220.	3 4 16 75 366 1945 11886	
	(1) 16 (2) 366 (3) 75	(4) 1945 (5) 11886
_	Directions (Q. 221-225): In each of these ques	tions a number series is given. In each series
•	one number is wrong. Find out that number.	
221.	5 22 56 116 205 330 497	(1) 200
000	(1) 5 (2) 56 (3) 116	(4) 330 (5) 497
222.	14 29 50 77 110 150 194	(4) 150 (5) 104
002	(1) 14 (2) 29 (3) 77	(4) 150 (5) 194
223.	176 275 396 539 704 891 998 (1) 176 (2) 275 (3) 539	(4) 704 (5) 998
		(4) 704 (3) 998
224.	$\frac{10}{3}$ 10 $\frac{50}{3}$ $\frac{70}{3}$ 30 $\frac{118}{3}$ $\frac{130}{3}$	
	${3}$ 10 ${3}$ ${3}$ 30 ${3}$ ${3}$	
	70	118 130
	(1) 10 (2) ${3}$ (3) 30	(4) ${3}$ (5) ${3}$
225.	$\sqrt{5625}$ $\sqrt{5776}$ $\sqrt{5929}$ $\sqrt{6085}$ $\sqrt{6241}$ $\sqrt{6400}$./ <u>6561</u>
220.	V3023 V3770 V3929 V0003 V0241 V0400	V0001
	(1) $\sqrt{5625}$ (2) $\sqrt{5929}$ (3) $\sqrt{6085}$	(4) $\sqrt{6400}$ (5) $\sqrt{6561}$
	Directions (Q. 226-2230): What will come in p	place of question mark (?) in the following
	er series?	
226.	2 123 223 ? 368 417	(4) 005
267.	(1) 392 (2) 304 (3) 287 16 896 1336 ? 1666 1721	(4) 225 (5) 227
201.	(1) 1556 (2) 1566 (3) 1586	(4) 1436 (5) None of these
228.	19 46 110 235 ? 794	(*) = 100 (0) = 1000
	(1) 351 (2) 551 (3) 451	(4) 345 (5) 349
229.	13 36 70 ? 179 258	
1	(1) 115 (2) 106 (3) 109	(4) 117 (5) 128
230.	679 1230 2332 3985 ? 8944 (1) 6819 (2) 6198 (3) 6109	(4) 6090 (5) 6190
	(1) 6819 (2) 6198 (3) 6109 Directions (Q. 231-233): In the following numb	(4) 6289 (5) 6189
that n	number.	or series, only one number is wrong. I mu out
231.	2 6 9 36 39 200 205	
	(1) 6 (2) 36 (3) 205	(4) 200 (5) 39
232.	169 183 223 292 389 514 667	
222	(1) 183 (2) 223 (3) 389	(4) 667 (5) 292
233.	243 258 288 334 393 468 558 (1) 558 (2) 258 (3) 334	(4) 393 (5) 468
	Directions (Q. 234-238): In each of these ques	
only o	one number is Wrong. Find out that number.	a number series is given. In each series
234.	32 75 144 244 567 800 1089	
	1) 32 (2) 75 (3) 244	(4) 800 (5) 1089
	15 35 105 693 429 715 161	5
235.	8 8 16 80 40 56 96	<u> </u>
	**	

71 693 715 105 1615 (4) 56 (2)80 16 96 25 236. 12 13 63 104 38 164 265 (1) 63 (2) 25 (3) 38 (4) 104 (5) 265 237. 287496 274625 262144 246078 238328 226981 216000 (5) 216000 (1) 287496 (3) 262144 (4) 246078(2) 274625 238. 42 94.5 141.75 212.92 318.9375 478.40625 63 (1) 94.5 (2) 63 (3) 42 (4) 212.92 (5) 478.40625 Directions (Q. 239-243): In each question a number series is given. In each series only one number is wrong. Find out that number. 25 41 61 85 113 145 181 239. $\overline{12}$ 20 30 40 56 72 90 25 61 113 181 85 (1) $(4) \overline{90}$ (5) (2)(3) $\overline{12}$ 40 30 56 240. 14 39 258 399 584 84 156 (1) 14 (2) 156 (3) 84 (4) 258(5) 584 241. 421875 438976 456533 512000 474551 493039 531441 (2) 493039 (4) 531441 (1) 421875 (3) 474551 (5) 512000 189 35 94 341 559 855 242. 5 13 25 113 41 61 85 855 35 94 341 559 (4) 61 (2) $\frac{}{13}$ (5) (3)25 $\overline{113}$ 9 104 <u>35</u> 59 <u>77</u> 13.5 243. 7 35 104 59 (1) (2) $\frac{}{8}$ (4) 9 (3)6 Directions (Q. 244-246): In the following number series, only one number is wrong. Find out that number. 244. 2 36 150 393 810 1452 2366 (2)393(1) 810 (3) 36(4) 2(5) 1452 88 243 245. 115 145 175 208 280 (1) 88 (2) 175 (3) 145 (4) 243(5) 280 448 180 19 246. 294 100 48 4 (1) 4 (2) 180 (3) 294 (4) 100 (5) 19 Directions (Q. 247-251): In each of these questions a number series is given. In each series only one number is wrong. Find out that number. 2730 247. 6 60 210 500 990 1716 (2)210(3) 500 (4)990(5) 1716 (1) 60248. 4 24 36 52 69 84 12 (1) 84 (2)24(3) 36 (4) 52(5) 69 249. 8 18 40.5 60 12 27 91.125 (1) 60(2) 18(3) 40.5 (4) 91.125 (5) 27 250. 999 1331 1727 1098 2743 3375 4095 (1) 3374 (2) 1331 (3) 1098 (4) 3300 (5) 4095 Daily Visit: Governmentadda.com Join Us: t.me/Ga_Buzz

72													
	251.	89	87	91	84	99	67	131					
		(1) 131		(2) 91	(3)	87	(4)	84	(5)	67			
		` '	ıs (O. 25	` '	` '	` ') in the	following number				
	series		. (•			,	3			
	252.	17	45	172	5	508	38 3	35602					
		(1) 712		(2) 784	(3)	804	(4)	850	(5)	904			
	253.	9	333	5	785	929	9	1029					
		(1) 572		(2) 589	(3)	596	(4)	602	(5)	616			
	254.	1328	1722	2188	2732	336	50	?					
		(1) 4072		(2) 4075	(3)	4078	(4)	4081	(5)	4084			
	255.	13	?	570	2846			34116	()				
		(1) 84		(2) 91	(3)	95	(4)	98	(5)	102			
	256.	34	47	41	44	55	` ,		76	5			
		(1) 29		(2) 27	(3)	25		22	(5)	18			
		Direction	ns (Q. 2	` ,	` '			question mark (?) in the following					
	numb	er series.	• •	•		1	_	•					
	257.	10 22 8 2	24 6 ?										
		(1) 16 (2) 18		(3)	12	(4)	26	(5)	None of these				
	258.	60.5 72 8	34.5 98 1										
	0.00	(1) 125		(2) 122	(3)	126	(4)	127	(5)	None of these			
	259.	96 107 15 (1) 258	29 162 2	206 ? (2) 261	(3)	256	(4)	260	(5)	252			
		` ,	ns (O. 26	` '	, ,					en. In each series			
	only o			ng. Find out			ions a m	amber serie	,5 15 E14	cn. in each series			
	260.			150 252									
		(1) 2		(2) 81	(3)	36	(4)	150	(5)	252			
	261.	5 16 2'	7 44 6	55 90									
		(1) 16		(2) 5	(3)	44	(4)	65	(5)	90			
	262.	4 2 0 -5 -	12 -21										
	060	(1) 0	140	(2) 4	(3)	2	(4)	-5	(5)	-21			
	263.		149		(2)	170	(4)	010	(E)	101			
	264.	(1) 251 9 21 45	101	(2) 123 211 433 8		179	(4)	218	(5)	101			
	204.	(1) 21	101	(2) 45		211	(4)	433	(5)	101			
		` ,		()	(3)	·	(·)		(-)	/			

SHORT ANSWER

1.	(2)	2.	(4)	3.	(2)	4.	(5)	5.	(1)	6.	(2)	7.	(3)	8.	(4)
9.	(2)	10.	(1)	11.	(4)	12.	(4)	13.	(1)	14.	(5)	15.	(3)	16.	(3)
17.	(5)	18.	(5)	19.	(1)	20.	(3)	21.	(3)	22.	(1)	23.	(4)	24.	(5)
25.	(1)	26.	(3)	27.	(1)	28.	(2)	29.	(3)	30.	(4)	31.	(2)	32.	(3)
33.	(1)	34.	(5)	35.	(2)	36.	(3)	37.	(4)	38.	(1)	39.	(2)	40.	(2)
41.	(1)	42.	(2)	43.	(3)	44.	(1)	45.	(3)	46.	(2)	47.	(5)	48.	(2)
49.	(1)	50.	(3)	51.	(3)	52.	(2)	53.	(1)	54.	(5)	55.	(1)	56.	(5)
57.	(3)	58.	(1)	59.	(3)	60.	(2)	61.	(3)	62.	(2)	63.	(1)	64.	(2)
65.	(5)	66.	(4)	67.	(2)	68.	(1)	69.	(4)	70.	(3)	71.	(3)	72.	(5)
73.	(2)	74.	(4)	75.	(3)	76.	(2)	77.	(1)	78.	(5)	79.	(1)	80.	(4)
81.	(2)	82.	(1)	83.	(2)	84.	(4)	85.	(2)	86.	(2)	87.	(1)	88.	(4)
89.	(3)	90.	(4)	91.	(2)	92.	(3)	93.	(2)	94.	(1)	95.	(5)	96.	(2)
97.	(1)	98.	(3)	99.	(5)	100.	(4)	101.	(2)	102.	(4)	103.	(5)	104.	(1)
105.	(2)	106.	(4)	107.	(4)	108.	(1)	109.	(2)	110.	(1)	111.	(4)	112.	(3)
113.	(1)	114.	(1)	115.	(4)	116.	(3)	117.	(2)	118.	(4)	119.	(2)	120.	(4)
121.	(3)	122.	(1)	123.	(3)	124.	(4)	125.	(2)	126.	(3)	127.	(5)	128.	(1)
129.	(5)	130.	(3)	131.	(2)	132.	(1)	133.	(3)	134.	(3)	135.	(2)	136.	(4)
137.	(5)	138.	(3)	139.	(3)	140.	(2)	141.	(5)	142.	(5)	143.	(1)	144.	(1)
145.	(4)	146.	(4)	147.	(4)	148.	(3)	149.	(3)	150.	(1)	151.	(2)	152.	(4)
153.	(5)	154.	(2)	155.	(2)	156.	(1)	157.	(5)	158.	(4)	159.	(2)	160.	(1)
161.	(5)	162.	(3)	163.	(1)	164.	(4)	165.	(3)	166.	(1)	167.	(4)	168.	(2)
169.	(2)	170.	(2)	171.	(3)	172.	(1)	173.	(2)	174.	(1)	175.	(5)	176.	(3)
177.	(3)	178.	(3)	179.	(3)	180.	(2)	181.	(4)	182.	(5)	183.	(1)	184.	(2)
185.	(1)	186.	(1)	187.	(4)	188.	(2)	189.	(5)	190.	(1)	191.	(2)	192.	(5)
	` '	194.	(1)	195.	(5)	196.	(5)	197.	(1)	198.	(3)	199.	(2)	200.	(5)
		202.	(4)	203.	(5)	204.	(4)	205.		206.	(5)	207.	(4)	208.	(1)
		210.	(1)	211.	(3)	212.	(2)	213.	(2)	214.	(4)	215.	(1)	216.	(3)
217.	(2)	218.	(5)	219.	(3)	220.	(2)	221.	(2)	222.	(4)	223.	(5)	224.	(4)
225.	(3)	226.	(2)	227.	(1)	228.	(3)	229.	(4)	230.	(5)	231.	(5)	232.	(1)
233.	(3)	234.	(3)	235.	(5)	236.	(4)	237.	(4)	238.	(4)	239.	(5)	240.	(2)
	` '	242.	(3)	243.	(5)	244.	(2)	245.	(3)	246.	(5)	247.	(3)	248.	(5)
		250.	(2)	251.	(4)	252.	(4)	253.	(2)	254.	(3)	255.	(3)	256.	(1)
257.	(4)	258.	(5)	259.	(2)	260.	(2)	261.	(1)	262.	(3)	263.	(4)	264.	(2)

DETAIL - EXPLANATIONS

- 1. 2; The number should be 60. $+ 3^2 + 2$, $+4^2 + 3$, $+ 5^2 + 4$...
- 2. 4; The number should be 416.

 \times 1 + 5, \times 2 + 10, \times 3 + 15, \times 4 + 20 ...

3. 2; The number should be 63.

 $(1 \times 2 \times 3) + 1$, $(2 \times 3 \times 4) + 2$, $(3 \times 4 \times 5) + 3$...

4. 5; The number should be 324.

 $1 \times 2^2 + 5$, $2 \times 3^2 + 10$, $3 \times 4^2 + 15$, $4 \times 5^2 + 20$

5. 1; The number should be 58.

 $1^3 + 25$, $2^3 + 50$, $3^3 + 75$, $4^3 + 100$...

6. 2; The number should be 738.

 $3^3 + 3$, $6^3 - 6$, $9^3 + 9$, $12^3 - 12$...

- 7. 3; The number should be 652. 1440, 1440 - (17)² + 1, 1440 -,(15)² + 3, 1440 - (13)² + 5, 1440 - (11)² + 7
- 8. 4; The number should be 174. \times 3 + 5, \times 3 + 10, \times 3 + 15
- 9. 2; The number should be 217. $\times 1 + 15, \times 2 + 20, \times 3 + 25, \times 4 + 30$
- 10. 1; The number should be 9277. $+(21)^3$, $+(18)^3$, $+(15)^3$
- 11. 4; $1 \times 7 = 7$ $7 \times 7 = 49$ $49 \times 7 = 343$ $343 \times 7 = 2401$
- 12. 4; $13 + 2^2 + 3 = 20$ $20 + 4^2 + 3 = 39$ $39 + 6^2 + 3 = 78$ $78 + 8^2 + 3 = 145$ $145 + 10^2 + 3 = 248$
- 13. 1; $12 \times 2 + 11 = 35$ $35 \times 2 + 11 = 81$ $81 \times 2 + 11 = 173$ $173 \times 2 + 11 = 357$ $357 \times 2 + 11 = 725$
- 14. 5; 3 + 97 = 100 100 + 197 = 297 297 + 297 = 594 597 + 397 = 991 991 + 497 = 1488
- 15. 3; $112 + 7 \times 1 = 119$ $119 + 7 \times 3 = 140$ $140 + 7 \times 5 = 175$ $175 + 7 \times 7 = 224$ $224 + 7 \times 9 = 287$

- 16. 3; The number should be 81. The ser ies is $+ 1^2 \times 1$, $+ 2^2 \times 2$, $+ 3^2 \times 3$...
- 17. 5; The number should be 247.

 The series is $21 + 1^2$, $42 + 3^2$, $63 + 5^2$, $84 + 7^2$...

18. 5; The number should be 287. The series is $+1^2+1^3$, $+2^2+2^3$, $+3^2+3^3$...

19. 1; The number should be 19.The series is ×2 + 13, ×3 + 26, ×4 + 39...

20. 3; The number should be 106.

The series is + 1⁴ + 2⁴, + 3⁴, + 4⁴...

- 21. 3; The number should be 1092. $\times 5 + 9$, $\times 5 + 18$, $\times 5 + 27$...
- 22. 1; The number should be 142. $+5^3$, $+6^3$, $+7^3$, $+8^3$...
- 23. 4; The number should be 1487. × 3 4, × 4 5, × 5 6 ...
- 24. 5; The number should be 888. $+ 4^2$, $+ 8^2$, $+ 12^2$...
- 25. 1; The number should be 22. × 3 2, × 4 3, × 5 4 ...
- 26. 3; The number should be 123. $\times 1 + 3, \times 2 + 6, \times 3 + 9 \dots$
- 27. 1; The number should be 11. $\times 1 + 5$, $\times 2 + 10$, $\times 3 + 15$...
- 28. 2; The number should be 63. $+ 1 \times 2$, $+ 3 \times 3 + 5 \times 4 + 7 \times 5$...
- 29. 3; The number should be 480. - 45 × 3, - 40 × 3, - 35 × 3 ...
- 30. 4; The number should be 2420. $+1^3 \times 2$, $+2^3 \times 3$, $+3^3 \times 4$...
- 31. 2; -16^3 , + 15^3 , 14^3 , + 13^3 , 12^3
- 32. 3; × 2 3, × 4 6, × 6 10, × 8 - 15, × 10 - 21
- 33. 1; × 9 1, × 8 3, × 7 5, × 6 7, × 5 9
- 34. 5; $+ 1^3$, + 2, $+ 3^3$, + 4, $+ 5^3$
- 35. 2; + 10, $+ 2^3$, + 12, $+ 4^3$, + 14, $+ 6^3$
- 36. 3; 17 19 33 67 129 227 $+2^{2}-2+4^{2}-2+6^{2}-2+8^{2}-2+10^{2}-2$

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75
38. 1
                                                                           6 \times 2^5 = 192
39. 2
                                                                           7 \times 2^4 = 112
40. 2
                                                                           8 \times 23 = 64
41. 1; Series is \times 1 + 6; \times 2 + 12, \times 3 + 18...
                                                                 65. 5; The series is:
42. 2; Series is \times 1 + 9^2, \times 2 + 8^2, \times 3 + 7^2, \times 4 + 6^2...
                                                                           1^3 + 17
43. 3; Series is ×0.2, ×1.2, ×2.2, ×3.2 ...
                                                                           2^3 + 34
44. 1; Series is + 978, + 1956, + 2934, + 3912 ...
                                                                           3^3 + 51
45. 3; Series is ×3 - 6, ×3 - 12, ×3 - 18, ×3 - 24 ...
                                                                           4^3 + 68
46. 2; +11^3, +12^3, +13^3, +14^3...
                                                                 66. 4; × 3 + 1, × 4 + 2, × 5 + 3...
47. 5; \times 1 + 51, \times 2 + 102, \times 3 + 153 ...
                                                                 67. 2; + 4 × 2, + 8 × 3, + 12 × 4
48. 2; ×1.5, ×3, ×4.5, ×6 ...
                                                                 68. 1; The series is based on' combination of two
49. 1; + 8 \times 1, + 16 \times 2, + 24 \times 3 ...
                                                                           series. S_1 = +13, +26, +39... and S_2
50. 3; + 2^5, + 3^5, + 4^5...
                                                                           +14, +21...
51. 3; This series is a combination of two series:
                                                                 69. 4; +36, +72, +144, +288...
                        ٦г
                                                                 70. 3; (22)^2, (27)^2, (32)^2, (37)^2...
          +117, +57, +234, +114, +351, +171
                                                                 71. 3; The series is +7^2 + 14^2, +21^2, + ...
                          ____↑__
                                                                 72. 5; The series is 40 \times 1.7, 80 \times 2.7, 120 \times 3.7,
52. 2; ×2 + 4, ×3 + 8, ×4 + 12 ...
                                                                           160 \times 4.7...
53. 1; ×1.5, ×2, ×2.5, ×3
                                                                 73. 2; The series is 2^2 + 3, 4^2 + 5, 6^2 + 7, 8^2 + 9...
54. 5; +4^3, +8^3, +12^3, +16^3
                                                                 74. 4; The series is 1 \times 3, 5 \times 7, 9 \times 11, 13 \times 15...
55. 1; -2^4, -3^4, -4^4, -5^4
                                                                 75. 3; The series is 1^2 + 1, 3^2 + 3, 5^2 + 5, 7^2 + 7...
56. 5; The number is 494.
                                                                 76. 2; +4^2, +6^2, +8^2, +10^2, +12^2,
          10^2, +11, +12<sup>2</sup>, +13, +14<sup>2</sup>, +15 ...
                                                                 77. 1; \times 12 - 11, \times 10 - 9, \times 8 - 7, \times 6 - 5
57. 3; The number is 2268.
                                                                 78. 5; × 3 - 5, × 3 - 5, × 3 - 5, × 3 - 5
          +17^2, +19^2, +21^2, +23^2, +25^2...
                                                                 79. 1; 99<sup>2</sup>, 98<sup>2</sup>, 97<sup>2</sup>, 96<sup>2</sup>, 95<sup>2</sup>, 94<sup>2</sup>
58. 1; The number is 14612.
                                                                 80. 4; 7^3 - 4 = 339
          \times 2 + 16, \times 3 + 26, \times 4 + 36, \times 5 + 46, \times 6 + 56
                                                                           9^3 + 4 = 733
                                                                           11^3 - 4 = 1327
59. 3; The number is \times 2 + 27, \times 2 + 54, \times 2 + 81,
                                                                           13^3 + 4 = 2201
          ×2 + 108, ×2 +135 ...
                                                                           15^3 - 4 = 3371
60. 2; The number is +(4 \times 3), +(5 \times 4), +(6 \times 5),
                                                                           17^3 + 4 = 4917
          +(7 \times 6), +(8 \times 7) \dots
                                                                 81. 2; (1)^4 + 2, (2)^4 - 2, (3)^4 + 2, (4)^4 - 2
61. 3; The number is 1377.
                                                                 82. 1; \times 2 - 5, \times 3 - 10, \times 4 - 15
          215 \times 1 + 87; 215 \times 2 + 87; 215 \times 3 + 87;
                                                                 83. 2; 2^4 + 3^3, 3^4 + 4^3, 4^4 + 5^3, 5^4, 5^3 + 6^3
          215 \times 4 + 87; 215 \times 5 + 87; 215 \times 6 + 87...
                                                                 84. 4; 3^3, 3^3 + 11, 4^3, 4^3 + 22, 5^3 + 33
62. 2; The number is 772.
                                                                 85. 2; 12, 12 + (12 \times 2 + 3) = 12 + 27 = 39
          192 + 100 = 292
                                                                           39 + (39 \times 2 + 3) = 39 + 81 = 120
          292 + 108 = 400
                                                                           120 + (120 \times 2 + 3) = 120 + 243 = 363
          400 + 116 = 516
                                                                 86. 2; 5
                                                                                          35
                                                                                                  75
                                                                                                        155
                                                                                                                (5)
          516 + 124 = 640
          640 + 132 = 772
                                                                                       +20 +40 +80 +160
                                                                                +10
63. 1; The number is 89.
          19; + 10; + 12; + 14; + 16, + 18...
                                                                                         18
                                                                                                        360
                                                                 87. 1; 3
64. 2; The series is:
          3 \times 2^8 = 768
                                                                                    ×3
                                                                                                    ×5
                                                                                                           ×6
          4 \times 2^7 = 512
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 $5 \times 2^6 = 320$

76

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15 \times 3.8 = 57
88. 4; 88 472 347 283 256
                                                 (5)
                                                                             15 \times 4.7 = 70.5
                                                                             15 \times 5.6 = 84
                                                                             15 \times 6.5 = 97.5
            -216 -215 -64 -27
                                            -8
                            (4)^3 (3)^3
                                            (2)^3
              (6)^3 (5)^3
                                                                             15 ★ 7.4 ★ 111
                                                                             The series is 5.5 + 9^2 + 1 = 87.87 + 8^3 + 2
89. 3; The series is +1^3+2^2, +2^3+3^2, +3^3+4^2...
                                                                             = 601, 601 + 7^4 + 3 = 3005, 3005 + 6^5 + 4 =
90. 4; The series is -1^3 \times 2, -2^3 \times 3, -3^3 \times 4...
                                                                             10785, 10785 + 5^6 + 5
91. 2; The series is \times 3 - 9, \times 3 - 19, \times 3 - 29...
                                                                   119. 2; The series is 89^2 + 1, 88^2 + 2, 87^2 + 3,...
92. 3; The series is +(111)^2, +(101)^2, +(91)^2, +
                                                                   120. 4; The series is 7 + 7^2 - 2, 8 + 8^2 - 4, 9 + 9^2 - 6,
          (81)^2...
                                                                             10+10^2-8...
93. 2; The series is \times 0.2, \times 0.3, \times 0.4, \times 0.5...
                                                                   121. 3; The series is +14, +42, +126, +378...
94. 1; The series is +(1^3 + 2^3), +(2^3 + 3^3), +(3^3 + 3^3)
                                                                   122. 1; The series is +11^3, +9^3, +7^3, +5^3...
          4<sup>3</sup>)...
                                                                   123. 3; 36 \times 2 + 5 = 77,
95. 5; The series is + (6 \times 2), + (18 \times 2), + (54 \times 2)
                                                                             \therefore 77 \times 3 + 10 = 241,
          2)...
                                                                             \therefore 241 \times 4 + 15 = 979, \dots
96. 2; The series is +4^2, +8^2, +12^2, +16^2...
                                                                   124. 4; The series is (11)^3 - 11, (10)^3 - 10, (9)^3 - 9...
97. 1; The series is -32<sup>2</sup>, -28<sup>2</sup>, -24<sup>2</sup>, -20<sup>2</sup>...
                                                                   125. 2; The series is \times 9 + 1, \times 8 + 3, \times 7 + 5...
98. 3; The series is \times 2 + 5, \times 2 + 10, \times 2 + 15...
                                                                   126. 3; The series is 9^2, 8^3, 7^4, 6^5, 5^6...
99. 5; The series is 3 \times 24, 5 \times 19, 7 \times 17, 9 \times 15,
                                                                   127. 5; The series is -119, -238, -357, -476...
          11 × 13, 13 × 11...
                                                                   128. 1; The series is \times 3 - 9, \times 3 - 8, \times 3 - 7, \times 3 -
100. 4; The series is +2^4, +3^4, +4^4, +5^4...
101. 2; The series is \times 3 + 8, \times 3 + 16, \times 3 + 24...
                                                                   129. 5; The series is +17^2 - 17, +15^2 - 15, +13^2 - 15
102. 4; The series is 69^2 + 69, 67^2 + 67, 65^2 + 65,
                                                                             13 ...
          63^2 + 63...
                                                                   130. 3; The series is +8^3, +12^3, +16^3, +20^3, ...
103. 5; The series is -2^3 + 1, -3^3 + 2, -4^3 + 3, -5^3 + 2
                                                                   131. 2; The series is 2^2 + 4^2, 6^2 + 8^2, 10^2 + 12^2, 14^2
          4...
                                                                             + 162 ...
104. 1; The number should be 5555 in place of
                                                                   132. 1; The series is -24<sup>2</sup>, -21<sup>2</sup>, -18<sup>2</sup>, -I5<sup>2</sup>...
          5531. -7^2, -9^2,
                                  -11^2, -13^2, -15^2, -17^2 ...
                                                                   133. 3; The series is +10^3 - 10, 9^3 - 9, +8^3 -8 ...
105. 2; The number should be 21 in place of 426.
                                                                   134. 3; -20^2, -16^2, -12^2, -8^2, -4^2
          +1, +2, +4, +8, +16, +32
                                                                   135. 2; +46, +92, +138, +184, +230
106. 4; The number should be 770 in place of 760.
                                                                   136. 4; +(11\times1+0), +(11\times3+2), +(11\times5+4), +(11\times7+6),
          \times 1 + 2, \times 2 + 4, \times 3 + 6, \times 4 + 8, \times 5 + 10, \times 6 +
                                                                             +(11×9+8), ...
          12, ...
                                                                   137. 5; The given series is a combination of two
107. 4; The series is 0^2 + 4, 1^2 + 2, 3^2 + 0, 6^2 - 2, 10^2
                                                                             series.
          - 4, 15<sup>2</sup> - 6, 21<sup>2</sup> - 8 ...
                                                                             Pattern I: 454 648 842 1036
          Hence, 435 should be replaced with 433
                                                                             194 added in each subsequent term.
108. 1; The number should be 2 in place of 1 \div 3.5,
                                                                             Pattern II: 327 521 715
          \div 3, \div 2.5, \div 2, \div 1.5, \div 1, ...
                                                                             194 added in each subsequent term.
109. 2; The series is \times 2 - 4, \times 4 - 8, \times 6 - 12, \times 8 - 16,
                                                                             Hence 713 should be replaced with 715.
          ×10 - 20...
                                                                   138. 3; +13.5, +27, +54, +108, +216, +432
110. 1; The series is \times 3 + 1, \times 7 + 2, \times 11 + 3, \times 15 + 1
                                                                             Hence, 168 should be replaced with 167.
                                                                   139. 3; The series is +3^2, +5^2, +7^2, +9^2, +11^2, +13^2,
111. 4; The series is \times 10 - 3, \times 9 - 6, \times 8 - 9, \times 7 - 12,
                                                                             +15^2 ...
          ×6 - 15...
                                                                   140. 2; The series is +35^2, +40^2, +45^2, +50^2, +55^2...
112. 3; The series is \times 8 + 13, \times 7 + 26, \times 6 + 39, \times 5
                                                                   141. 5; The series is (+2^2) \times 17, (+3^2) \times 15, (+4^2) \times 15
          +52, \times 4 + 65
                                                                             13 ...
113. 1; The series is +9^3, +8^3, +7^3, +6^3, +5^3...
                                                                   142. 5; The series is 240, (240 + 2^2) - 9^2 = 163,
114. 1; The series is 2 \times 9^2 - 1, 2 \times 10^2 - 1, 2 \times 11^2
                                                                             (163 + 3^2) - 8^2 = 108,
          -1, 2 \times 12^2 - 1, 2 \times 13^2 - 1, 2 \times 14^2 - 1,
                                                                             (108 + 4^2) - 7^2 = 75, (75 + 5^2) - 6^2 = 64, (64 + 10^2)
115. 4; The series is 141, +(14)^3, +(12)^3, +(10)^3...
                                                                             6^2) - 5^2 = 75
116. 3; The series is ×2.5, +4, ×2.5, +4...
                                                                   143. 1; The series is 12.8 \times 0.9, 12.7 \times 0.8, 12.6 \times 0.9
117. 2; 15 \times 2.9 = 43.5
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0.7, 12.5 \times 0.6...
144. 1; The series is +(2^2+3), +(3^2+4), +(4^2+5),
          + (6^2 + 7) \dots
145. 4; The series is +9^2, +8^2, +7^2...
146. 4; The series is 5, 5 \times 3.2, 6 \times 4.3, 7 \times 5.4, 8 \times 4.3
         6.5, 9 \times 7.6, 10 \times 8.7 \dots
147. 4; The series is +5^2, +6, +7^2, +8, +9^2, +10...
         +6^3 = 443; 443 + 7^3 = 779; 779 + 8^3 = 1288
149. 3; The series is +2^3 - 1, +3^3 - 2, +4^3 - 3...
150. 1; The series is (68 - 5) \times 2, (126 - 15) \times 13,
         (333 - 25) \times 4, ...
151. 2; The series is (+2^3 - 5), (+3^3 - 10), (+4^3 - 15),
152. 4; The series is ×1.5, ×2.5, ×3.5 ×4.5...
153. 5; The series is \times 0.5 + 2, \times 2 + 4, \times 0.5 + 6, \times 2
154. 2; The series is +154, +182, +210, +238, +266 ...
          - 5.5 ...
         The number should be 300 + 6 = 306
         number should be 678 + 64 = 742
```

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155. 2; The series is -49.5, -38.5, -27.5, -16.5,
156. 1; The series is +19.2, +38.4, +76.8, +153.6...
157. 5; The series is +118, +78, +46, +22, +6 ...
158. 4; The series is +8^3, -7^2, +6^3, -5^2, +4^3... The
159. 2; The series is 6^3 + 16, 7^3 + 17, 8^3 + 18, 9^3 +
160. 1; The series is \times 4 - 3, \times 5 - 4, \times 6 - 5 ...
161. 5; The series is +248, +496, +992, +1984
162. 3; The series is ×5 - 9
163. 1; The series is 27
         27 + 7^3 = 370
         370 + 9^3 = 1099
         1099 + 11^3 = 2430
         2430 + 13^3 = 4627
         4627 + 15^3 = 8002
164. 4; The series is +3^3, +4^3, +5^3, +6^3...
165. 3; The series is \times 2 + 4, \times 4 + 6, \times 6 + 8, \times 8 + 8
         10 ...
166. 1; The series is (2 \times 4) + 5 = 13
```

 $(4 \times 6) + 15 = 39, (6 \times 8) + 25 = 73$

167. 4; The series is $\times 1 + 6$, $\times 2 + 12$, $\times 3 + 18$, $\times 4$

168. 2; The series is $(5 \times 1.2) + 5 = 11$, $(15 \times 1.4) +$

169. 2; The series is $(21)^2 - 12$, $(19)^2 - 10(17)^2 - 8$,

 $(8)^2$, $(7)^3$ + $(7)^2$, $(6)^3$ - $(6)^2$, $(5)^3$ + $(5)^2$...

 $(15)^2$ - 6, $(13)^2$ - 4, $(11)^2$ - 2, ...

170. 2; The series is $(10)^3 - (10)^2$, $(9)^3 + (9)^2 (8)^3 -$

+ 24 ...

= 83

 $(65 \times 2.4) + 35 = 191$

 $(8 \times 10) + 35 = 115, (10 \times 12) + 45 = 165 \dots$

 $10 = 31, (25 \times 1.6) + 15 = 55, (35 \times 1.8) + 20$

 $(45 \times 2.0) + 25 = 115, (55 \times 2.2) + 30 = 151$

171. 3; The series is $(17 \times 19 + 7)$, $(15 \times 17 + 6)$, $(13 \times 15 + 5)$, $(11 \times 13 + 4)$, $(9 \times 11 + 3)$, 172. 1; The series is 7×9.5 , 11×8.5 , 15×7.5 , 19 \times 6.5, 23 \times 5.5, 27 \times 4.5, ... 173. 2; The series is $(6 \times 9 - 15)$, $(8 \times 8 - 16)$, $(10 \times 9 - 15)$ 7 - 17), $(12 \times 6 - 18)$, $(14 \times 5 - 19)$ $(16 \times 4 -$ 20), (18 × 3 - 21), ... 148. 3; $1 + 3^3 = 28$; $28 + 4^3 = 92$; $92 + 5^3 = 217$; $217 \cdot 174$. 1; The series is $5^3 + 5^2$, $6^3 + 6^2$, $7^3 + 7^2$, $8^3 + 8^2$, $9^3 + 9^2$, $10^3 + 10^2$... There should be 1100 in place of (?) mark. 175. 5; The series is $+(3600 \times 1)$, $+(3600 \times 2)$, + (3600×3) , + (3600×4) , + (3600×5) , ... There should be 54100 in place of (?) mark. 176. 3; The series is $(39^2 - 39)$, $(38^2 - 38)$, $(37^2 -$ 37), $(36^2 - 36)$, $(35^2 - 35)$, $(34^2 - 34)$ There should be 1260 in place of (?) mark. 177. 3; The series is (1×2) , (3×4) , (5×6) , $[7 \times 8)$, $(9 \times 10), (11 \times 12), \dots$ There should be 90 in place of (?) mark. 178. 3; The series is (31×33) , (34×36) , (37×39) , $(40 \times 42), (43 \times 45), \dots$ There should be 1443 in place of (?) mark. 179. 3; The series is $(12^3 - 12)$, $(11^3 - 11)$, $(10^3 -$ 10), $(9^3 - 9)$, $(8^3 - 8)$, $(7^3 - 7)$, $(6^3 - 6)$,.... There should be 990 in place of 1000. 180. 2; The series is 35^2 - (3 + 5), 33^2 - (3 + 3), 31^2 $-(3+1), 29^2 - (2+9), 27^2 - (2+7), 25^2 - (2+7)$ 5), 23^2 - (2 + 3) ... There should be 830 in place of 833. 181. 4; The series is $16 \times 6 - 7^2$, $47 \times 5 - 6^2$, 199×10^{-2} $4 - 5^2$, $771 \times 3 - 4^2$, $2297 \times 2 - 3^2$, $4585 \times 1 - 2^2$ There should be 2297 in place of 2283. 182. 5; The series is $14^3 + (1 + 4)^2$, $13^2 + (1 + 3)^2$, $12^3 + (1 + 2)^2$, $11^3 + (1 + 1)^2$, $10^3 + (1 + 0)^2$, 9^3 $+ (9 + 0)^2, 8^3 + 8^2$ There should be 1001 in place of 10001. 183. 1; The series is $15 \times 11,13 \times 22, 11 \times 33, 9 \times 10^{-2}$ 44, 7×55 , 5×66 , 3×77 . There should be 330 in place of 350. 184. 2; The series is 19^3 - 38, 18^3 + 36, 17^3 - 34, $16^3 + 32$, $15^3 - 30$, $14^3 + 28$, $13^3 - 26$... There should be 4128 in place of 4130 185. 1; The series is $33^2 + (3 + 3)$, $35^2 - (3 + 5)$, 37^2 $+ (3 + 7), 39^2 - (3 + 9), 41^2 + (4 + 1), 43^2 - (4$ $+ 3), 45^2 + (4 + 5) ...$ There should be 1509 in place of 1508 186. 1; The series is 21×1.5 , 19×2.5 , 17×3.5 ; 15×4.5 , 13×5.5 , 11×6.5 , 9×7.5 ...

There should be 71.5 in place of 79.5

187. 4; The series is $3^2 + 6$, $4^2 - 8$, $5^2 + 10$, $6^2 - 12$,

There should be 48 in place of 49.

 $7^2 + 14$, $8^2 - 16$, $9^2 + 18$, ...

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188. 2; The series is 44 \times 3, 40 \times 5, 36 \times 7, 32 \times 9,
            28 \times 11, 24 \times 13, 20 \times 15 \dots
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There should be 252 in place of 253.

- 189. 5; The series is $16 \times 3 + 5$, $14 \times 6 10$, 12×9 213. 2; The number should be 63 in place of 64. + 15, 10 × 12-20 ...
- 190. 1; The seri es is $5^3 + 5 + 15$, $6^3 6 30$, $7^3 + 7$ $+45, 8^3 - 8 - 60, 9^3 + 9 + 75 \dots$
- 191. 2; The series is $16 \times 0.5 + 4$, $32 \times 1.0 8$, 48 × 1.5 + 12, 64 × 2 - 16 ...
- 192. 5; The series is $(12 \times 7.5) \times 2$, $(14 \times 6.5) \times 4$, $(16 \times 5.5) \times 6$, $(18 \times 4.5) \times 8$...
- 193. 4; The series is $(1^4 \times 2) 1$, $(2^4 \times 2) + 1$, $(3^4 \times 2)$ -1, $(4^4 \times 2) + 1 ...$
- 194. 1; The series is $(3^3 \times 1) + 1$, $(4^3 \times 2) 2$, $(5^3 \times 1) + 1$ 3) + 3, $(6^3 \times 4)$ - 4
- 195. 5; The series is \times 2 + 1³, \times 3 + 2³, \times 4 + 3³, \times 5
- 196. 5; The series is 23², 29², 31², 37²...
- 197. 1; The series is $+3^2$, $+5^2$, $+7^2$, $+11^2$, $+13^2$, ...
- 198. 3; The series is +120, +128, +136, +... +160, ...
- 199. 2; The series is $\times 1 + 2$, $\times 2 + 4$, $\times 3 + 6$, $\times 4 + 8$, ×5 + 10, ×6 + 12 ...
- 200. 5; The series is -3, -9, -27, -81, -243 ...
- 201. 1; The series is $1^3 \times 3$, $3^3 \times 3$, $5^3 \times 3$, $7^3 \times 3$, ...
- 202. 4; Each number is a prime number multiplied by 15. Thus, the series is 15×2 , 15×3 , 15×5 , $15 \times 7, 15 \times 11, ...$
- 203. 5; The series is $\times 3$, $\div 2$, $\times 3$, $\div 2$, ...
- 204. 4; The series is $\div 6$, $\div 5$, $\div 4$, $\div 3$...
- 205. 1; The series is $(3^3 1)$, $(4^3 1)$, $(5^3 1)$, $(6^3 1)$ 1), $(7^3 - 1)$...
- 206. 5; The series is +20, +22, +24, +26, +28 ...
- 207. 4; The series is $2 \times 6 + 6 = 18$ $18 \times 5 + 5 = 95$ $95 \times 4 + 4 = 384$ $384 \times 3 + 3 = 1155$ $1155 \times 2 + 2 = 2312$
- 208. 1; The series is $+(11 \times 1)$, $+(11 \times 3)$, $+(11 \times 5)$, $+(11 \times 7)...$
- 209. 2; The series is $37 + (5 \times 1) = 42$ $42 + (5 \times 3) = 57$ $57 + (5 \times 5) = 82$ $82 + (5 \times 7) = 117$ $117 + (5 \times 9) = 162$
- 210. 1; The series is $+(9 \times 32)$, $+(9 \times 16)$, $+(9 \times 8)$, $+(9 \times 4), (9 \times 2) \dots$
- 211. 3; The number should be 600 in place of 599.

- The series is $\times 1 + 3$, $\times 2 + 6$, $\times 3 + 9$, ...
- 212. 2; The number should be 38 in place of 40. The series is $\times 1 + 5$, $\times 2 + 10$, $\times 3 + 15$...
 - The series is $(8 + 1) \times 2$, $(18 + 3) \times 3$, $(63 + 5) \times 4, ...$
- 214. 4; The number should be 285 in place of 286. The series is $(90 - 45) \times 3$, $(135 - 40) \times 3$, $(285 - 35) \times 3, ...$
- 215. 1; The number should be 636 in place of 635. The series is $(17 + 1^3) \times 2$, $(36 + 2^3) \times 3$, $(132 + 3^3) \times 4$, $(636 + 4^3) \times 5$, ...
- 216. 3; The series is $1 + 1^2 + 1^3$, $2 + 2^2 + 2^3$, $3 + 3^2 + 3^3$, $4 + 4^2 + 4^3$, $5 + 5^2 + 5^3$, $6 + 6^2 + 6^3$. There should be 39 in place of 40.
- 217. 2; The series is

$$\frac{3}{1\times 2} = \frac{3}{2} \cdot \frac{4}{2\times 3} = \frac{2}{3}, \frac{5}{3\times 4} = \frac{5}{12}$$

$$\frac{6}{4\times 5} = \frac{3}{10}, \frac{7}{5\times 6} = \frac{7}{30}, \frac{8}{6\times 7} = \frac{4}{21}, \frac{9}{7\times 8} = \frac{9}{56}.$$
There should be $\frac{3}{10}$ in place of $\frac{3}{14}$.

218. 5; The series is

$$\frac{3 \times 2}{1} = 6, \frac{4 \times 3}{2} = 6, \frac{5 \times 4}{3} = \frac{20}{3},$$

$$\frac{6 \times 5}{4} = \frac{15}{2}, \frac{7 \times 6}{5} = \frac{42}{5}, \frac{8 \times 7}{6} = \frac{28}{3}, \frac{9 \times 8}{7} = \frac{72}{7}$$
There should be $\frac{72}{7}$ in place of $\frac{72}{11}$.

219. 3; The series is $2^3 - 2 = 6$, $3^3 - 3 = 24$, $4^3 - 4 = 60$, $5^3 - 5 = 120$, $6^3 - 6 = 210$, $7^3 - 7$ $= 336, 8^3 - 8 = 504$

There should be 336 in place of 340.

- 220. 2; The series is $3 \times 1 + 1^3 = 4$, $4 \times 2 + 2^3 = 16$, $16 \times 3 + 3^3 = 75$, $75 \times 4 + 4^3 = 364$, 364×5 $+ 5^3 = 1945, 1945 \times 6 + 6^3 = 11886$ There should be 364 in place of 366.
- 221. 2; The series is $3 \times 2 \times 1 1 = 5$, $4 \times 3 \times 2 2$ $= 22, 5 \times 4 \times 3 - 3 = 57, 6 \times 5 \times 4 - 4 = 116, 7$ $\times 6 \times 5 - 5 = 205, 8 \times 7 \times 6 - 6 = 330, 9 \times 8 \times$ 7 - 7 = 497. Hence, 56 should be replaced
- 222. 4; The series is $3^2 + 2^2 + 1^2 = 14$, $4^2 + 3^2 + 2^2 = 14$ 29, $5^2 + 4^2 + 3^2 = 50$, $6^2 + 5^2 + 4^2 = 77$, $7^2 + 6^2$ $+5^2 = 110, 8^2 + 7^2 + 6^2 = 149, 9^2 + 8^2 + 7^2 =$ 194. Hence, 150 should be replaced by 149.
- 223. 5; The series is $44 \times 4 = 176$, $55 \times 5 = 275$, 66 \times 6 = 396, 77 \times 7 = 539, 88 \times 8 = 704, 99 \times 9 = 891, $110 \times 10 = 1100$.

Hence, 998 should be replaced by 1100.

224. 4; The series is
$$\frac{5 \times 2}{3} = \frac{10}{3}$$
, $\frac{15 \times 2}{3} = 10$,
$$\frac{25 \times 2}{3} = \frac{50}{3}$$
, $\frac{35 \times 2}{3} = \frac{70}{3}$, $\frac{45 \times 2}{3} = 30$,
$$\frac{55 \times 2}{3} = \frac{110}{3}$$
, $\frac{65 \times 2}{3} = \frac{130}{3}$

There should be $\frac{110}{3}$ in place of $\frac{118}{3}$

225. 3; The series is
$$\sqrt{(75)^2} = \sqrt[5]{625}$$
, $\sqrt{(76)^2} = \sqrt{5776}$, $\sqrt{77)^2} = \sqrt{5929}$, $\sqrt{(78)^2} = \sqrt{6084}$, $\sqrt{(79)^2} = \sqrt{6241}$, $\sqrt{(80)^2} = \sqrt{6400}$, $\sqrt{81)^2} = \sqrt{6561}$

There should be $\sqrt{6084}$ in place of $\sqrt{6085}$.

- 226. 2; The series is + 11², + 10², + 9², + 8², + 7²...

 Hence, there should be 304 in place of question mark.
- 227. 1; The series is + 880, + 440, + 220, + 110, + 55, ...

 Hence, there should be 1556 in place of question mark.
- 228. 3; The series is + 3³, + 4³, + 5³, + 6³, + 7³, ...

 Hence, there should be 451 in place of question mark.
- 229. 4; The series is $+ (5^2 2)$, $+ (6^2 2)$, $+ (7^2 2)$, $+ (8^2 2)$, ...

 Hence, there should be 117 in place of question mark.
- 230. 5; The series is + 551, + 1102, + 1653, + 2204, + 2755, ...

 There should be 6189 in place of question mark.
- 231. 5; The series is $\times 3$, +3, $\times 4$, +4, $\times 5$, +5...

 There should be 40 in place of 39.
- 232. 1; $+(13 \times 1 + 0)$, $+(13 \times 3 + 2)$, $+(13 \times 5 + 4)$, $+(13 \times 7 + 6)$, ... Hence, 183 should be replaced with 182.

233. 3; The series is + 15, + 30, + 45, + 60, + 75, Hence, 334 should be replaced with 333.

234. 3; The series is $1 + 2^2 + 3^3 = 32$, $2 + 3^2 + 4^3 = 75$, $3 + 4^2 + 5^3 = 144$, $4 + 5^2 + 6^3 = 245$, $6 + 7^2 + 8^3 = 567$, $7 + 8^2 + 9^3 = 800$, $8 + 9^2 + 10^3 = 1089$.

Hence, there should be 245 in place of 244.

235. 5; The series is

$$\frac{1\times3\times5}{2\times4}, \frac{3\times5\times7}{4\times6}, \frac{5\times7\times9}{6\times8}, \frac{7\times9\times11}{8\times10}$$

 $\frac{9 \times 11 \times 13}{10 \times 12}$, $\frac{11 \times 13 \times 15}{12 \times 14}$, $\frac{13 \times 15 \times 17}{14 \times 16}$

 $=\frac{15}{8},\frac{35}{8},\frac{105}{16},\frac{693}{80},\frac{429}{40},\frac{715}{56},\frac{3315}{224}$

3315

Hence, there should be 224

in place of $\frac{1615}{96}$

- 236. 4; The series is 12, 13, 13 + 12 = 25, 25 + 13 = 38, 38 + 25 = 63, 63 + 38 = 101, 101 + 63 = 164, 164 + 101 = 265

 Hence there should be 101 in place of 104.
- 237. 4; The series is $66^3 = 287496$, $65^3 = 274625$, $64^3 = 262144$, $63^3 = 250047$, $62^3 = 238328$, $61^3 = 226981$, $60^3 = 216000$ The re should be 250047 in place of 246078.
- 238. 4; The series is 42 × 1.5 = 63, 63 × 1.5 = 94.5, 94.5 × 1.5 = 141.75, 141.75 × 1.5 = 212.625, 212.625 × 1.5 = 318.9375, 318.9375 × 1.5 = 478.40625 Hence, there should be 212.625 in place of 212.92.
- 239. 5; The series is

$$\frac{3^2 + 4^2}{3 \times 4}, \frac{4^2 + 5^2 5^2 + 6^2}{4 \times 5}, \frac{5 \times 6}{5 \times 6},$$

$$\frac{6^2 + 7^2}{6 \times 7}, \frac{7^2 + 8^2}{7 \times 8}, \frac{8^2 + 9^2}{8 \times 9}, \frac{9^2 + 10^2}{9 \times 10}$$

So, $\frac{25}{12}$, $\frac{41}{20}$, $\frac{61}{30}$, $\frac{85}{42}$, $\frac{113}{56}$, $\frac{145}{72}$, $\frac{181}{90}$

 $\therefore \text{ Hence, there should be } \frac{85}{42} \text{ in place of }$

 $\frac{85}{40}$

- 240. 2; The series is $2^3 + 2^2 + 2$, $3^3 + 3^2 + 3$, $4^3 + 4^2 + 4$, $5^3 + 5^2 + 5$, $6^3 + 6^2 + 6$, $7^3 + 7^2 + 7$, $8^3 + 8^2 + 8$ Thus, 14, 39, 84, 155, 258, 399,584. Hence, there should be 155 in place of 156.
- 241. 4; The series is (75)³, (76)³, (77)³, (78)³(79)³, (80)³, (81)³

 The re should be 474552 in place of 474551.

$$\frac{1^3 + 2^3 2^3 + 3^3}{1^2 + 2^2}, \frac{3^3 + 4^3}{2^2 + 3^2}, \frac{3^3 + 4^3}{3^2 + 4^2}, \frac{4^3 + 5^3}{4^2 + 5^2},$$

The series is

$$\frac{9}{5}, \frac{35}{13}, \frac{91}{25}, \frac{189}{41}, \frac{341}{61}, \frac{559}{85}, \frac{855}{113}$$

Hence, there should be $\frac{91}{25}$ in place of $\frac{94}{25}$.

243. 5; The series is

$$\frac{(1+2)\times 3}{4}$$
, $\frac{(2+3)\times 4}{5}$, $\frac{(3+4)\times 5}{6}$,

$$\frac{(4+5)\times 6}{7}, \frac{(5+6)\times 7}{8}, \frac{(6+7)\times 8}{9}, \frac{(7+8)\times 9}{10}$$

$$=\frac{9}{4},\frac{20}{5},\frac{35}{6},\frac{54}{7},\frac{77}{8},\frac{104}{9},\frac{135}{10}$$

There should be $\frac{54}{7}$ in place of $\frac{59}{7}$.

- 244. 2; The series is $1^3 + 1^2 = 2$, $3^3 + 3^2 = 36$, $5^3 + 5^2 = 150$, $7^3 + 7^2 = 392$, $9^3 + 9^2 = 810$, $11^3 + 11^2 = 1452$, $13^3 + 13^2 = 2366$.

 There should be 392 in place of 393.
- 245. 3; The series is $22 \times (2 + 2) = 88$, $23 \times (2 + 3) = 115$, $24 \times (2 + 4) = 144$, $25 \times (2 + 5) = 175$, $26 \times (2 + 6) = 208$, $27 \times (2 + 7) = 243$, $28 \times (2 + 8) = 280$.

 There should be 144 in place of 145.

246. 5; The series is $8^3 - 8^2$, $7^3 - 7^2$, $6^3 - 6^2$, $5^3 - 5^2$, $4^3 - 4^2$, $3^3 - 3^2$, $2^3 - 2^2$.

There should be 18 in place of 19.

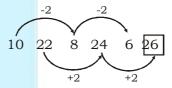
- 247. 3; The series is $1 \times 2 \times 3 = 6$, $3 \times 4 \times 5 = 60$, $5 \times 6 \times 7 = 210$, $7 \times 8 \times 9 = 504$, $9 \times 10 \times 11 = 990$, $11 \times 12 \times 13 = 1716$, $13 \times 14 \times 15 = 2730$. Hence, 500 should be replaced with 504.
- 248. 5; The series is 1 + 3 = 4, 5 + 7 = 12, 11 + 13 = 24, 17 + 19 = 36, 23 + 29 = 52, 31 + 37 = 68, 41 + 43 = 84. Hence, 69 should be replaced with 68.
- 249. 1; The series is $8 \times 1.5 = 12$, $12 \times 1.5 = 18$, $18 \times 1.5 = 27$, $27 \times 1.5 = 40.5$, $40.5 \times 1.5 = 60.75$, $60.75 \times 1.5 = 91.125$. Hence, 60 should be replaced with 60.75.

80

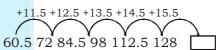
250. 2; 10^3 - 1, 11^3 - 1, 12^3 - 1, 13^3 - 1, 14^3 - 1, 15^3 - 1, 16^3 - 1.

Hence, 1331 should be replaced with 1330.

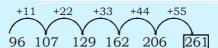
- 251. 4; 89 2 = 87, 87 + 4 = 91, 91 8 = 83, 83 + 16 = 99, 99 - 32 = 67, 67 + 64 = 131. Hence, 84 should be replaced with 83.
- 252. 4; The series is $\times 3$ 6, $\times 4$ 8, $\times 5$ 10, ...
- 253. 2; The series is +18², +16², +14², ...
- 254. 3; The series is 11^3 3, 12^3 6, 13^3 9 ...
- 255. 3; The series is $\times 7 + 4$, $\times 6 + 0$, $\times 5 4 \times 4 8$, ...
- 256. 1; The series is a combination of two series. The first series is 34, 34 + 7 = 41, 41 + 14 = 55, 55 + 21 = 76 and the second series is 47, 47 3 = 44, 44 6 = 38, 38 9 = 29 ...
- 257. 4; The series follows the pattern as:



258. 5; The series is



259. 2; The series is



- 260. 2; The series is $1^2 \times 2 = 2$, $2^2 \times 3 = 12$, $3^2 \times 4 = 36$, $4^2 \times 5 = 80$, $5^2 \times 6 = 150$, $6^2 \times 7 = 252$ Hence, 81 should be replaced by 80.
- 261. 1; The series is $1 \times (2+3) = 5$, $2 \times (3+4) = 14$, $3 \times (4+5) = 27$, $4 \times (5+6) = 44$, $5 \times (6+7) = 65$, $6 \times (7+8) = 90$.

Hence, 16 should be replaced by 14.

- 262. 3; The series is $3^2 2^2 1^2 = 4$, $4^2 3^2 2^2 = 3$, $5^2 4^2 3^2 = 0$, $6^2 5^2 4^2 = -5$, $7^2 6^2 5^2 = -12$, $8^2 7^2 6^2 = -21$. Hence, 2 should be replaced by 3.
- 263. 4; The series is $10^2 + 1^2 + 0^2 = 101$, $11^2 + 1^2 + 1^2 = 123$, $12^2 + 1^2 + 2^2 = 149$, $13^2 + 1^2 + 3^2 = 179$, $14^2 + 1^2 + 4^2 = 213$, $15^2 + 1^2 + 5^2 = 251$ Hence, 218 should be replaced by 213.
- 264. 2; The series is \times 2 + 3, \times 2 + 5, \times 2 + 7, \times 2 + 9, \times 2 + 11 ...

Hence, 45 should be replaced by 47.