

#### Number Series - Reasoning Ability for Bank Prelims Exams

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## **Important Number Series Questions for RRB PO Prelims**

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**Directions (1-5): Study the following information carefully and answer the below questions-**

465 897 364 899 215 456

1. If all the numbers are arranged in descending order from right to left, then which will be the second digit of the third number from left end?

- a) 6
- b) 4
- c) 5
- d) 3
- e).2

2. If all the digits are arranged in descending order within the number then what is the difference of second and fifth number from the left end?

a) 215		
b) 466		
c) 400		
d) 682		

e) None of these

3. If all the digits in the numbers are arranged in ascending order, what is the difference of third and fourth number from the left end in the new arrangement?

- a) 445
- b) 535
- c) 553
- d) 456
- e) 510

4. If all the numbers are arranged in ascending order from right to left, then what will be the product of second digit of fifth number and third digit of second number from the left end?

- a) 56
- b) 36
- c) 84
- d) 42

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e)None of these	8. How many such 9's are there in the above
	arrangement each of which is immediately preceded
5. If all the digits in the numbers are arranged in	and followed by an odd digit?
ascending order from left to right and then all the	a) None
numbers are arranged in ascending order from right	b) One
to left, then which of the following will be the sum of	c) Two
second digit of fifth number and first digit of second	d) Three
number from the left end?	e) More than three
a) 10	
b) 11	9. Which of the following is third to the left of the
c) 15	eighteenth digit from the left end of the above
d) 13	arrangement?
e) None of these	a) 8
	b) 3
Directions (6-10): Study the following information	c) 4
carefully and answer the below questions-	d) 5
	e) 1
7617924156492341258584831275267	
3953	10. If all the even digits are deleted from the above
	arrangement, which of the following will be ninth
6. How many such 7's are there in the above	from the right end of the arrangement?
arrangement each of which is immediately followed	a) 9
by a digit which has a numerical value of more than	b) 3
four?	c) 1
a) None	d) 5
b) one	e) 7
c) Two	
d) Three	Directions (11-15): Study the following information
e) More than three	carefully and answer the below questions-
7. How many such 1's are there in the above	685 513 438 386 297
arrangement each of which is immediately preceded	11. If 2 is added to the first digit of each of the
by a perfect square?	numbers how many numbers thus formed will be
a) None	divisible by three?
b) One	a) None
c) Two	b) One
d) Three	c) Two
e) More than three	d) Three
	e) None of these

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12. If all the digits in each of the numbers are arranged in descending order within the number, which of the following will be the highest number in the new arrangement of numbers ?	Directions (16-20): Study the following information carefully and answer the below questions-276652564473739
a) 685	16. If 2 is added to the middle digit of each number
b) 386	and then the first and the second digits are
c) 297	interchanged, which of the following will be the third
d) 438	digit of the smallest number?
e) None of these	a) 6 b) 4
13. What will be the resultant number if the second	c) 3
digit of the second lowest number is divided by the	d) 2
third digit of the highest number?	e) 9
a) 2.5	
b) 3.6	17. If in each number the first and the third digit are
c) 0	interchanged which number will be the second largest
d) 1.5	number?
e) 1.6	a) 276
	b) 652
14. If 1 is added to the first digit and 2 is subtracted	c) 564
from the last digit of each of the numbers then which	d) 473
of the following numbers will be the second highest	e) 739
number?	
a) 386	18. The sum of which of the following three-digit
b) 685	numbers is not an odd number?
c) 438	a) 652
d) 297	b) 739
e) 513	c) 564
	d) 473
15. If in each number the first and the second digits	e) 276
are interchanged then which will be the highest	
number?	19. If in each number all the three digits are arranged
a) 297	in ascending order within the number, which of the
b) 513	following numbers will be the second smallest
c) 438	number?
d) 685	a) 564
e) 386	b) 652
	c) 276
	d) 739
	e) 473
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20. If in each number the second and the third digits	d) None
are interchanged, what will be the sum of the first	e) None of these
and the third digit of the largest number?	
a) 9	24. If first and third digits are interchanged, then 2 is
b) 8	added to 1st digit of each number, and 1 is subtracted
c) 10	from second digit of each number, then what is the
d) 12	sum of first digit of the highest number and second
e) 15	digit of the third lowest number?
	a) 8
Directions (21-25): Study the following information	b) 7
carefully and answer the below questions-	c) 12
	d) 11
345 436 512 417 264	e) None of these
21. If '1' is added to each odd digit, '2' is added to	
each even digit, which of the following number is the	25. If in each number the second and the third digits
second largest?	are interchanged, what will be the sum of the first
a) 345	and the third digit of the largest number?
b) 512	a) 5
c) 436	b) 6
d) 417	c) 7
e) None of these	d) 8
	e) 9
22. If first and third digits are interchanged then 5 is	
added to even number and 2 is subtracted from odd	Directions (26-30): Study the following information
number, then what is the product of third digit of the	carefully and answer the below questions-
highest number with second digit of the second lowest	· ·
number?	9769724592724697865378976534284
a) 63	78456
b) 54	26. In the following series of number, find out how
c) 72	many times 6 and 5 have appeared together?
d) 18	a) Three
e) None of these	b) Two
	c) Four
23. If 2 is added to the digit which is below 5, 1 is	d) One
subtracted from the digit which is above 5 (include 5	e) None
also), how many digit appear twice within the	
number?	27. In the following series of number, find out how
a) 2	many times 5 have appeared?
b) 3	a) Two
c) 1	b) Three
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#### Number Series - Reasoning Ability for Bank Prelims Exams

d) Six	c) Four	e) 2
e) Five32. What is the difference between the third digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which is second from the left end and the first digit of the number which are preceded by prime number & followed by perfect Square? a) four b) Five33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series? b) 2 c) Six b) Five c) Six b) Five c) Six c) One33. If '1' is added to all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series? a) 35 b) 27 c) Three c) Five c) Three c) Five c) Five c) Three c) Five c) Three d) Si Study the following information careful and anawer the below questions- for	d) Six	
28. How many 9s are there which is preceded by 6 bitthe number which is second from the left end and the first digit of the number that is first from the right end agiven in the series?20. Threea) 2b) Twob) 5c) Onec) 4d) More than Threec) 0e) Nonec) 029. How many numbers are there which are preceded by prime number & followed by perfect Square? a) Four33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series?29. How many numbers are there which are preceded by prime number & followed by perfect Square? a) Four33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series?a) Foura) 7b) Fivec) 5c) Sixb) 2d) Now of Thesed) 6a) Onec) 430. How many odd numbers are there preceded by perfect cube?b) Twoc) 1c) Threea) 35c) Threea) 35c) Threea) 33c) Flivec) 33c) Threea) 35c) Flivec) 33Directions (31-35): Study the following informatio carefully and answer the below questions-56798724356798724357972731. If the above series is arranged in descending order then which among the following will be the third wind then which among the following will be the third wind b) 0a) 3a) 11b) 2c) 7 </td <td>e) Five</td> <td>32. What is the difference between the third digit of</td>	e) Five	32. What is the difference between the third digit of
28. How many 9s are there which is preceded by 6 but not followed by 7?first digit of the number that is first from the right end as given in the series?a) Threea) 2b) Twob) 5c) Onec) 4d) More than Threed) 1e) Nonec) 029. How many numbers are there which are preceded by prime number & followed by perfect Square? a) Four33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series?29. How many numbers are there which are preceded by prime number & followed by perfect Square? a) Four33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series?a) Sevenc) 5e) None of Thesec) 5a) One b) Twoc) 5b) Twoc) 5c) Threea) 35d) Fourc) 33d) Fourc) 33d) Fourc) 33e) Fivec) 33b) Twoc) 33c) Threea) 35d) Fourc) 33d) Fourc) 33d) Fourc) 33d) Fourc) 33b) Twoc) 14Directions (31-35): Study the following information carefully and answer the below questions-5679872435972731. If the above series is arranged in descending order then which among the following will be the third digit b) 7a) 311b) 7a) 3a) 3b) 7 <td></td> <td>the number which is second from the left end and the</td>		the number which is second from the left end and the
not followed by 7?end as given in the series?a) Threea) 2b) Twob) 5b) Twoc) 4c) Onec) 4d) More than Threed) 1e) Nonee) 029. How many numbers are there which are preceded33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series?a) Foura) 7b) Fivea) 7c) Sixb) 2d) Sevenc) 5e) None of Thesed) 6e) None of Thesed) 6a) One34. If all the even digits are removed then what is the sum of first three digits from the right end and lastb) Fivoa) 35c) Threea) 35b) Fourc) 33b) Fourc) 33b) Fourc) 33b) Fourc) 33b) Fourc) 33c) Threec) 33d) Fourc) 33b) Fourc) 34b) Fourc) 33c) Threec) 33d) Fourc) 33b) Fourc) 33b) Fourc) 33c) Fourc) 34c) Fourc) 35St. What is the minimum di	28. How many 9s are there which is preceded by 6 but	first digit of the number that is first from the right
a) Threea) 2b) Twob) 5c) Onec) 4d) More than Threed) 1e) Nonee) 029. How many numbers are there which are preceded33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's canb) Fivea) 7c) Sixb) 2d) Sevenc) 5e) None of Thesec) 5e) None of Thesed) 6b) Twoc) 5c) Sixd) 6d) Aeven of Thesed) 6e) None of Thesed) 6g) Fourd) 6e) None of Thesed) 6b) Twoc) 5c) Sixd) 2d) Aeven of Thesed) 6e) None of Thesed) 6e) Nonefirst three digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series?a) Oneb) 27c) Threea) 35d) Fourc) 33e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-56798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?a) 3b) 9c) 7d) 8e) 9e) 7	not followed by 7?	end as given in the series?
b) Twob) 5c) Onec) 4d) More than Threec) 4e) Nonec) 029. How many numbers are there which are preceded by prime number & followed by perfect Square? a) Four33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series? a) 729. How many numbers are there which are preceded b) Fivea) 7c) Sixb) 2d) Sevenc) 5e) None of Thesed) 6e) None of Thesed) 6b) Twoc) 5c) Sixd) 6a) Onefirst three digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series? a) 35b) Twoc) 33c) Threea) 35d) Fourc) 33b) Tivec) 33b) Tivec) 33b) Threea) 35b) Threea) 35b) Threec) 33b) Threec) 33carefully and answer the below questions-35. What is the minimum difference between any two numbers in the above given series? a) 11b) 9c) 7carefully and answer the below questions-55. What is the minimum difference between any two numbers in the above given series? a) 11b) 9c) 7a) 3b) 9c) 7d) 8end?a) 3b) 7c) 7	a) Three	a) 2
c) Onec) 4d) More than Threed) 1e) Nonee) 029. How many numbers are there which are preceded by prime number & followed by perfect Square?33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series?a) Foura) 7b) Fivea) 7c) Sixb) 2d) Sevenc) 5e) None of Thesed) 6a) Oned) 6b) Twoc) 4a) Onesum of first three digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series?b) Fivec) 33c) Threea) 35d) Fourc) 33e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-56798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?a) 3b) 9c) 7d) 8e) 0	b) Two	b) 5
d) More than Threed) 1e) Nonee) 029. How many numbers are there which are preceded by prime number & followed by perfect Square? a) Four b) Five33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series? a) 7a) Four b) Fivea) 7b) Five c) Sixb) 2d) Sevenc) 5e) None of Thesed) 6e) None of Thesed) 6e) None of Thesed) 430. How many odd numbers are there preceded by perfect cube? a) One b) Two34. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series? a) 35d) Four e) Fiveb) 27e) Fivec) 33Directions (31-35); Study the following information carefully and answer the below questions-b) 4256798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3b) 1050798724355951772731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3b) 9c) 7d) 8e) 3e) 0	c) One	c) 4
e) Nonee) 029. How many numbers are there which are preceded by prime number & followed by perfect Square? a) Four b) Five c) Six33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series? a) 7 b) 2 c) Sixa) Seven e) None of Thesea) 7 b) 2 c) Sixb) None of Thesec) 5 d) 6 e) None of Thesea) One b) Twod) 6 e) 4a) One b) Twod) 4. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series? a) 35 b) 27 c) Three c) Three c) Fiveb) Fivea) 3 b) 27 c) 33 d) 38 c) Her above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 75798724355951. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 711 b) 9 c) 7 c) 7 d) 8 e) 0	d) More than Three	d) 1
29. How many numbers are there which are preceded by prime number & followed by perfect Square? a) Four b) Five c) Six33. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series? a) 7 b) 2 c) Six30. Seven e) None of Thesec) 5 d) 6 e) 430. How many odd numbers are there preceded by perfect cube? a) One b) Two c) Three34. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series? a) 35 b) 27 c) Three c) Five35. What is the minimum difference between any two numbers in the above given series? a) 11 b) 9 c) 7 c) 7 d) Sum the right end of the second number from the left end? a) 3 b) 733. If '1' is added to all the even digits and '2' is subtracted from all odd digits then how many 3's can be found in the above series? a) 7 c) 535. What is the minimum difference between any two numbers in the above given series? a) 11 b) 9 c) 7 c) 7 d) 8 e) 0	e) None	e) 0
by prime number & followed by perfect Square?subtracted from all odd digits then how many 3's can be found in the above series?a) Foura) 7b) Fivea) 7c) Sixb) 2d) Sevenc) 5e) None of Thesed) 6e) None of Thesed) 6a) Onebb) Twoc) Threec) Threea) 35d) Fourb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-56798724355957772731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?a) 3 b) 7b) 8a) 3 b) 7	29. How many numbers are there which are preceded	33. If '1' is added to all the even digits and '2' is
a) Fourbe found in the above series?b) Fivea) 7c) Sixb) 2d) Sevenc) 5e) None of Thesed) 6e) None of Thesee) 430. How many odd numbers are there preceded by perfect cube?34. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series?a) Oneb) Twob) Twotwo digits from the left end as in the given series?c) Threea) 35d) Fourb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-56798756798756798756798724355957731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?a) 3 b) 7c) 7d) 8e) 0	by prime number & followed by perfect Square?	subtracted from all odd digits then how many 3's can
b) Fivea) 7c) Sixb) 2d) Sevenc) 5e) None of Thesed) 6e) None of Thesee) 4 <b>30. How many odd numbers are there preceded by34. If all the even digits are removed then what is the</b> a) One <b>34. If all the even digits are removed then what is the</b> a) One <b>34. If all the even digits are removed then what is the</b> b) Two <b>34. If all the even digits are removed then what is the</b> c) Threea) 35d) Foure) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-567987 <b>567</b> 987 <b>567</b> 987 <b>579</b> 727 <b>31. If the above series is arranged in descending order</b> then which among the following will be the third digit from the right end of the second number from the left end?a) 3 b) 7b) 8c) 7d) 8e) 0	a) Four	be found in the above series?
c) Sixb) 2d) Sevenc) 5e) None of Thesed) 6e) None of Thesee) 4 <b>30. How many odd numbers are there preceded by34. If all the even digits are removed then what is the</b> a) One <b>34. If all the even digits are removed then what is the</b> b) Two <b>35.</b> c) Threea) 35d) Fourb) 27e) Fivec) 33Directions ( <b>31-35</b> ): Study the following information carefully and answer the below questions- <b>56798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?a) 3 b) 7</b>	b) Five	a) 7
d) Sevenc) 5e) None of Thesed) 6a) Onee) 4a) One34. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series?a) Onea) 35b) Twotwo digits from the left end as in the given series?c) Threea) 35d) Fourb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-e) 4256798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?38a) 3b) 9c) 7a) 11b) 9c) 7d) 8e) 0	c) Six	b) 2
e) None of Thesed) 630. How many odd numbers are there preceded by perfect cube?34. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series?a) One33.5b) Twoa) 35c) Threea) 35d) Fourb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-35. What is the minimum difference between any two numbers in the above given series?56798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?30.6a) 3 b) 7b) 9	d) Seven	c) 5
<ul> <li>30. How many odd numbers are there preceded by perfect cube?</li> <li>30. How many odd numbers are there preceded by perfect cube?</li> <li>30. How many odd numbers are there preceded by perfect cube?</li> <li>31. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series?</li> <li>a) 35</li> <li>b) 27</li> <li>c) 33</li> <li>d) 38</li> <li>e) 42</li> <li>35. What is the minimum difference between any two numbers in the above given series?</li> <li>a) 11</li> <li>b) 9</li> <li>c) 7</li> <li>d) 8</li> <li>e) 0</li> </ul>	e) None of These	d) 6
30. How many odd numbers are there preceded by perfect cube?34. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series?a) One50 meb) Twoa) 35c) Threeb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-e) 4256798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 731. If second number from the left end?		e) 4
perfect cube?34. If all the even digits are removed then what is the sum of first three digits from the right end and last two digits from the left end as in the given series?a) 35a) 35d) Fourb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-d) 3856798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?34. If all the even digits are removed then what is the sum of first three digits from the right end of the second number from the left end?34. If all the even digits are removed then what is the sum of first three digits from the right end of the second number from the left end?a) 3 b) 7c) 7	30. How many odd numbers are there preceded by	
a) Onesum of first three digits from the right end and last two digits from the left end as in the given series?b) Twoa) 35c) Threeb) 27d) Fourb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-c) 3356798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 335b) 71	perfect cube?	34. If all the even digits are removed then what is the
b) Twotwo digits from the left end as in the given series?c) Threea) 35d) Fourb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-c) 3356798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 735. What is the minimum difference between any two numbers in the above given series? a) 11 b) 9 c) 7	a) One	sum of first three digits from the right end and last
c) Threea) 35d) Fourb) 27e) Fivec) 33Directions (31-35): Study the following information carefully and answer the below questions-e) 425679872435595798724355931. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 735. What is the minimum difference between any two numbers in the above given series? a) 11 b) 9 c) 7	b) Two	two digits from the left end as in the given series?
<ul> <li>d) Four</li> <li>e) Five</li> <li>b) 27</li> <li>c) 33</li> <li>d) 38</li> <li>e) 42</li> <li>35. What is the minimum difference between any two numbers in the above given series?</li> <li>a) 11</li> <li>b) 9</li> <li>c) 7</li> </ul>	c) Three	a) 35
<ul> <li>c) 33</li> <li>d) 38</li> <li>e) 42</li> <li>35. What is the minimum difference between any two numbers in the above given series?</li> <li>a) 11</li> <li>b) 9</li> <li>c) 7</li> </ul>	d) Four	b) 27
Directions (31-35): Study the following information carefully and answer the below questions- 567 987 243 559 727 31. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 7	e) Five	c) 33
Directions (31-35): Study the following information carefully and answer the below questions-e) 4256798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 7e) 4233		d) 38
carefully and answer the below questions-35. What is the minimum difference between any two numbers in the above given series?56798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 735. What is the minimum difference between any two 	Directions (31-35): Study the following information	e) 42
56798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 735. What is the minimum difference between any two numbers in the above given series? a) 11 b) 9 c) 7	carefully and answer the below questions-	
56798724355972731. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 7numbers in the above given series? a) 11 b) 9 c) 7		35. What is the minimum difference between any two
31. If the above series is arranged in descending order then which among the following will be the third digit from the right end of the second number from the left end?a) 11 b) 9 c) 7a) 3 b) 7b) 9	567 987 243 559 727	numbers in the above given series?
then which among the following will be the third digit from the right end of the second number from the left end? a) 3 b) 7b) 9 c) 7 d) 8 e) 0	<b>31. If the above series is arranged in descending order</b>	a) 11
from the right end of the second number from the leftc) 7end?d) 8a) 3e) 0	then which among the following will be the third digit	b) 9
end?     d) 8       a) 3     e) 0	from the right end of the second number from the left	c) 7
a) 3 b) 7	end?	d) 8
b) 7	a) 3	e) 0
-,.	b) 7	
c) 9	c) 9	
d) 5	d) 5	

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### Number Series - Reasoning Ability for Bank Prelims Exams

Directions (36-40): Study the following information carefully and answer the below questions-	e) None of these
<ul><li>625 389 458 876 268 932</li><li>36. If the two digit numbers are formed by taking the 2nd and 3rd digit respectively of each of the given</li></ul>	40. If one is subtracted from the middle digit of each number and then all the digits in each number are arranged in ascending order from left to right end; then which of the following number is second
numbers and then the position of 2nd and 3rd digit of	smallost?
each number are interchanged. Then which of the	a) 458
following number will be the second highest number	h) 625
in the revised form?	c) 932
a) 876	d) 268
b) 389	e) None of these
c) 458	c) None of these
d) 268	
e) None of these	Directions (41-45): Study the following information carefully and answer the below questions-
37. If these numbers are written with their digits in	
the reverse order, which number among them will be	5129387146832397125489354676
third highest?	Q 41. If all the odd numbers are dropped from the
a) 625	above sequence, what is the sum of the numbers
b) 268	present in the odd position of the sequence?
c) 458	a) 28
d) 876	b) 30
e) None of these	c) 24
,	d) 36
38. If the first two digits of each number are	e) 32
interchanged, which among these numbers will be the	
2nd lowest number?	42. How many such multiples of 2 are there in the
a) 625	above sequence which is immediately preceded by
b) 932	even number?
c) 458	a) One
d) 268	b) Two
e) None of these	c) Three
	d) Four
<b>30</b> How many numbers in the given number series	e) Five
are divisible by 3?	
a) 0	43. If all the odd numbers in the sequence are
b) 1	replaced by alphabets starting from A from the left.
c) 2	then which number is replaced by alphabet 'G'?
d) 3	a) 4
	Dage 6 of 12

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### Number Series - Reasoning Ability for Bank Prelims Exams

<ul> <li>b) 9</li> <li>c) 3</li> <li>d) 6</li> <li>e) 5</li> <li>44. If every alternate number is dropped from the left end (1 is dropped), how many even numbers have even numbers as both of their neighbours?</li> <li>a) None</li> <li>b) One</li> </ul>	<ul> <li>b) 362</li> <li>c) 374</li> <li>d) 382</li> <li>e) None of these</li> <li>48. What is the product of highest digit of the second highest number and lowest digit of the lowest number?</li> <li>a) 12</li> <li>b) 8</li> </ul>
c) Two d) Three e) Four	c) 9 d) 10 e) None of these
<ul> <li>45. If all the even numbers are increased by 1 in the given sequence, then how many 3's are there in the new sequence?</li> <li>a) Three</li> <li>b) Four</li> <li>c) Five</li> <li>d) Six</li> <li>e) Seven</li> <li>Directions (46-50): Study the following information carefully and answer the below questions-</li> <li>324 489 176 294 595</li> <li>46. If the entire digits in each number is added within itself. Then, what is the difference between highest and lowest number?</li> <li>a) 15</li> <li>b) 12</li> </ul>	<ul> <li>49. If the third digit of each number is decreased by 1, then how many numbers are divisible by 3?</li> <li>a) 1</li> <li>b) 2</li> <li>c) None</li> <li>d) 3</li> <li>e) 4</li> <li>50. Among the following numbers, how many numbers are divisible by 3?</li> <li>a) One</li> <li>b) Two</li> <li>c) Three</li> <li>d) More Than Three</li> <li>e) None of These</li> </ul>
<ul> <li>b) 12</li> <li>c) 20</li> <li>d) 18</li> <li>e) None of these</li> </ul>	
<b>47.</b> If the digits in each numbers are arranged in ascending order within the number. Then, what is difference between highest and lowest number? a) 392	

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Detailed Explanation with Answers		
Answers (1-5): The given number series in question is- 465 897 364 899 215 456	7617924156492341258584831275267 3953	
<ol> <li>Arrange numbers in descending order from right to left-</li> <li>364 456 465 897 899</li> <li>Second digit of third number from left end is 5</li> </ol>	6) 7's which is immediately followed by number greater than 4-	
Answer: C (5)	<u>3953</u>	
2) After arranging digits in descending order within number in second and fifth number from left end-	Answer: <b>D</b> (three)	
New number becomes 987 and 521 Difference between them- 987-521= 466 Answer: <b>B</b> (466)	7) 1's which is immediately preceded by a perfect square-	
<b>3)</b> After arranging digits in ascending order within number in third and fourth number from left end-	7 6 1 7 9 2 4 <b>1</b> 5 6 4 9 2 3 4 <b>1</b> 2 5 8 5 8 4 8 3 1 2 7 5 2 6 7 3 9 5 3	
New number becomes 899 and 346 Difference between them- 899-346= 553	Answer: C (two)	
Answer: C (553)	<b>8</b> ) 9's which is immediately preceded and followed by an odd number-	
<ul> <li>4) Arrange the numbers in ascending order from right to left-</li> <li>899 897 465 456 364 215</li> <li>Product of second digit of fifth number and third digit of</li> </ul>	7 6 1 7 9 2 4 1 5 6 4 9 2 3 4 1 2 5 8 5 8 4 8 3 1 2 7 5 2 6 7 3 <b>9</b> 5 3	
second number- 6 * 7= 42. Answer: <b>D</b> (42)	Answer: <b>B</b> (one)	
5) Firstly, arrange all the digits in the number in ascending order from left to right- 456 789 346 899 125 456	<ul><li>9) Digit third to the left of the eighteenth digit from the left end is 4.</li><li>Answer: C (digit 4)</li></ul>	
Then arrange all the numbers in ascending order from right to left- 899 789 456 456 346 125 The sum of second digit of fifth number and first digit of second number- $4+7=11$ Answer: <b>B</b> (11)	<ul> <li>10) After eliminating all even digits from right end then 9<sup>th</sup> digit from right end is 3.</li> <li>Answer: B (digit 3)</li> </ul>	
	Answers (11-15): Given number series as follows-           685         513         438         386         297	
Answers (6-10): Given number series are as follows-	<b>11</b> ) Add 2 in first digit of every number one by one-	

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New series becomes-	<b>16</b> ) When 2 is added to the middle digit of every number,
885 713 638 586 497	the new series becomes-
Only 885 is divisible by 3.	296 672 584 493 759
	Now, after interchanging first and second digit of every
Answer: <b>B</b> (one)	number-
	926 762 854 943 579
12) Arrange all digits in ascending order within the	Third digit of smallest number is- 9
number, then new series becomes-	
865 531 843 863 972	Answer: E (9)
Highest number is 972 which is arrived by a given	
number 297 in given series.	17) After interchanging first and third digit of every
	number, new series as follows-
Answer: C (297)	672 256 465 374 937
	Second largest number is 672 which is obtained by 276.
<b>13</b> ) Second lowest number – 386	
Highest number- 685	Answer: A (276)
When second digit of the second lowest number is	
divided by the third digit of the highest number- $8/5 = 1.6$	<b>18</b> ) First, add digits of every given number-
	276 - 2+7+6= 15
Answer: E (1.6)	652 - 6 + 5 + 2 = 13
	564 - 5+6+4 = 15
<b>14</b> ) When 1 is added to the first digit and 2 is subtracted	473 - 4 + 7 + 3 = 14
from the last digit of each of the number in given series.	739 - 7 + 3 + 9 = 19
it becomes-	The sum of the digits of number 473 is an even number
783 611 536 484 395	only
Second highest number is 611 which is obtained by the	omy.
number 513	$\Delta$ nswer: <b>D</b> ( <b>473</b> )
number 515.	Miswei: <b>D</b> (473)
$\Delta$ nswer: F (513)	<b>10</b> ) Arrange all digits in ascending order within the
	number-
15) After interchanging first and second digit of every	267 256 456 347 379
number the new series becomes	The second smallest number is 267 which is obtained by
865 152 248 826 027	The second smallest number is 207 which is obtained by
Highest number will be 027 which is obtained by 207	276.
ringhest number will be 927 which is obtained by 297.	Angwer C (276)
$\Delta now or  (207)$	Answer. $\mathbf{U}(270)$
Allswei. A (271)	20) When second and third digits are interpheneral there
(1( 20)) Circum 1	20) when second and third digits are interchanged, then
Answers (10-20): Given number series 1s-	new series is-
2/0 032 304 4/3 739	20/ 025 540 45/ 195
	Largest number – 193

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Sum of first and third digit is $7+3 = 10$ .	24) First interchange both first and third digit of every
Anomer $C(10)$	number, new series becomes-
Allswei. C (10)	After adding '2' to every first digit and subtract '1' to
Answers (21-25). Given number series in question as	second digit of every number-
follows-	733 824 405 904 652
345 436 512 417 264	Highest number $904$
JHJ HJU J12 H17 20H	Third lowest number- 733
<b>21</b> ) After adding '1' to odd digit and '2' to even digit	Product- $9+3 - 12$
new series becomes-	Answer: $C(12)$
466 648 624 628 486	
Second largest number is 628 which is obtained by the	<b>25</b> ) After interchanging, second and third digit of every
number 417.	number, new series becomes-
	354 463 521 471 246
Answer: <b>D</b> (417)	Highest number – 521
	Add first and third digit- $5+1 = 6$ .
22) Interchange the first and third digit of every number	Answer: <b>B</b> (6)
of given series. New series as follows-	
543 634 215 714 462	Answers (26-30): Given number series in question as
Now, add '5' to even numbers and subtract '2' from odd	follows-
numbers-	9769724592724697865378976534284
543-2 = 541	78456
634 + 5 = 639	
215-2 = 213	<b>26</b> ) 9 7 6 9 7 2 4 5 9 2 7 2 4 6 9 7 8 <b>6 5</b> 3 7 8 9 7 <b>6 5</b> 3 4
714 + 5 = 719	2 8 4 7 8 4 <b>5 6</b>
462+5 = 467	Three time digit 6 and 5 come together.
Highest number – 719	Answer: A (three)
Second lowest number – 467	
The product of third digit of the highest number with	27) 9769724592724697865378976534
second digit of the second lowest number- $9 \approx 6= 54$ .	284/8450
Allswer: <b>D</b> (54)	Answer C (four)
<b>23</b> ) By adding $2^{2}$ in digit which is less than 5 and	Answer: C (Iour)
subtract '1' in every digit of number which is equal or	<b>28)</b> 9769724592724697865378976534
greater than 5 then new series becomes-	28, 7, 84, 56
564 655 434 636 456	There is no 9s in the given series which is preceded by 6
Three numbers are there in which digits come twice	but not followed by 7.
within a number.	Answer: E (none)
Answer: <b>B</b> (3)	

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<b>29</b> ) 9 7 <b>6</b> 9 7 <b>2</b> 4 5 9 2 7 <b>2</b> 4 6 9 7 8 6 5 3 7 <b>8</b> 9 7 6 5 <b>3</b> 4 2 <b>8</b> 4 7 <b>8</b> 4 5 6	<b>35</b> ) Given number series is- 567 987 243 559 727
There are seven digits which is preceded by prime number and followed by perfect square.	Here, we can clearly observe that minimal difference must be between 567 and 559.
Answer: <b>D</b> (seven)	Difference- 567-559= 8.
	Answer: <b>D</b> (8)
<b>30</b> ) 9769724592724697865378 <b>9</b> 76534	
28478456	Answers (36-40): Given number series as follows-
There is only one odd number which is preceded by perfect cube.	625 389 458 876 268 932
Answer: A (one)	<b>36</b> ) First take second and third digit of every number- 25 89 45 76 68 32
Answers (31-35): Given number series as follows-	Now interchange their positions-
567 987 243 559 727	52 98 54 67 86 23
	Then the second largest number is 86 formed by given
<b>31</b> ) Arrange numbers in descending order from left end-	number 268.
987 727 567 559 243	Answer: <b>D</b> (268)
Now, third digit from right end of the number which is	
second from the left end- number is- 727.	37) Arrange number with reversing digits within the
Answer: <b>B</b> (7)	number-
	526 983 854 678 862 239
<b>32)</b> 567 987 243 559 727	Third highest number is 854 formed by 458.
Third digit of the number which is second from the left- 7	Answer: C (458)
First digit of the number which is first from right end- 7	38) After interchanging first and second digit within the
Difference- $7-7 = 0$	number-
Answer: E (zero)	265 839 548 786 628 392
	Second lowest number – 392 obtained by 932.
<b>33</b> ) First, add '1' to even digits and subtract '2' from odd digit-	Answer: <b>B</b> (932)
375 795 351 337 535	<b>39</b> ) Only number 876 is divisible by 3.
There are five 3s in the obtained series. Answer: <b>C</b> (five)	Answer: <b>B</b> (1)
	40) When one is subtracted from middle digit of every
34) After eliminating even digits, first three digits from	number-
right end are- 7+7+9= 23	615 379 448 668 258 229
Last digits from left end- $5+7=12$	Then arrange numbers in ascending order from left to
Total sum- $23+12=35$ .	right-
Answer: A (35)	156 379 448 668 258 229
	Second smallest number- 229 obtained by 932.
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Answer: C (932)	<b>46)</b> When entire digits of every number is added-
	3+2+4=9
Answers (41-45) Given numbers series as follows-	4+8+9=21
5 1 2 9 3 8 7 1 4 6 8 3 2 3 9 7 1 2 5 4 8 9 3 5 4 6 7 6	1+7+6=14
	2+9+4=15
<b>41</b> ) After removing every odd numbers-	5+9+5=19
2 8 4 6 8 2 2 4 8 4 6 6	Difference between highest and lowest number- $21-9 =$
Sum of the numbers present at odd position-	12.
(Satisfied with both ends i.e. right and left)	Answer: <b>B</b> (12)
2+4+8+2+8+6=30	
6+4+4+2+6+8=30	<b>47</b> ) Arrange digits in ascending order within the number-
Answer: <b>B</b> (30)	234 489 167 249 559
<b>10</b> ) 5 1 2 0 2 0 7 1 4 <b>(9</b> 2 2 2 0 7 1 2 5 4 <b>9</b> 0 2 5 4 <b>6</b> 7 5	Now difference between the highest and lowest number-
<b>42</b> ) 5 1 2 9 3 8 / 1 4 <b>68</b> 3 2 3 9 / 1 2 5 4 <b>8</b> 9 3 5 4 <b>6</b> / 6	559-167= 392
There are four numbers in the given series which is multiple of 2 and preceded by even numbers	Answer: A (392)
Answer: <b>D</b> (four)	<b>48</b> ) Highest digit of second highest number (489) is 9
(iour)	Smallest digit of lowest number (176) is 1
<b>43</b> ) 5 1 2 9 3 8 7 1 4 6 8 3 2 3 9 7 1 2 5 4 8 9 3 5 4 6 7 6	Product- $1 * 9 = 9$
Now every odd number is replaced by letter A from left	Answer: C (9)
end, new series becomes-	
A B 2 C D 8 E F 4 6 8 G	<b>49)</b> If '1' is subtracted by the third digit of every
Letter G is 3 as per the series	number-
Answer: C (3)	323 488 175 293 594
	Now, only number 594 is divisible by 3.
<b>44</b> ) After eliminating every alternative number, new	Answer: A (one)
series becomes-	
5 2 3 7 4 <b>8</b> 2 9 1 5 8 3 4 7	<b>50</b> ) Only three numbers in the given series- 324, 489 and
Only 8 is the number which is immediately preceded and	294 is divided by 3.
followed by even number.	Answer: C (three)
Answer: <b>B</b> (one)	
<b>45</b> ) Here, we want to count number 3 only and it will	
formed when 1 is added to even number 2 only. So, total	
number of 3 is- 7	
Answer: E (seven)	
Answers (46-50): Given number series as follows-	
324 489 176 294 595	

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