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Alpha Numeric Symbol Series Questions for IBPS Clerk Pre, SBI Clerk Pre, LIC Assistant Pre, RBI Assistant Pre and IBPS RRB Assistant Pre Exams.

Alpha Numeric Symbol Series Set 51

Directions: Following questions are based on the six three-digit numbers given below:

428 548 943 297 567 459

1. If the positions of the second and the third digits of each number are interchanged, what will be the difference between middle digits of the second lowest and the highest number?
A. 1 B. 3 C. 5 D. 4 E. None of these
2. What is the multiplication of all the digits of the resultant number formed by the sum of the smallest and the second highest numbers?
A. 256 B. 192 C. 129 D. 154 E. None of these
3. If 1 is added to the last digit of each of the numbers how many numbers thus formed will be multiple of 4?
A. Only one B. Two C. More than three D. Four E. None of these
4. What will be the difference of the square of the last digits of the third lowest and the second highest number?
A. 69 B. 32 C. 25 D. 36 E. None of these
5. If in each number the first and the second digits are interchanged then which will be the third highest number?
A. 428 B. 297 C. 459 D. 548 E. None of these

Correct Answers:

1	2	3	4	5
C	B	E	B	C



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Explanations :

1. The given numbers:

428 548 943 297 567 459

After applying above condition, we get:

482 584 934 279 576 495

Now, arranging all the numbers in ascending order, we get:

279 482 495 576 584 934

The second lowest and the highest number of the sequence are 482 and 934 respectively.

The middle digit of 482 = 8

The middle digit of 934 = 3

Now, difference between the middle digits of these two numbers = $8 - 3 = 5$

Hence, the correct answer is option C.

2. The given numbers:

428 548 943 297 567 459

Arranging all the numbers in ascending order, we get:

297 428 459 548 567 943

The smallest and the second highest numbers are 297 and 567.

Now, required sum = $297 + 567 = 864$

Multiplication of all the digits of 864 = $8 \times 6 \times 4 = 192$

Hence, the correct answer is option B.

3. The given numbers:

428 548 943 297 567 459

Applying the above condition in the given sequence, we get:

429 549 944 298 568 460

Here, we can see the 944, 568 and 460 are multiple of 4.

Hence, the correct answer is option E.

4. The given numbers:

428 548 943 297 567 459

Arranging all the numbers in ascending order, we get:

297 428 459 548 567 943

The third lowest number = 459, the last digit of 459 is 9.

The second highest number = 567, the last digit of 567 is 7.

Square of 9 = 81

Square of 7 = 49

Difference of 81 and 49 = 32

Hence, the correct answer is option B.

5. The given numbers:

428 548 943 297 567 459

Applying the above condition in the sequence, we get:

248 458 493 927 657 549

Now, arranging all the numbers in ascending order, we get:

248 458 493 549 657 927

Third highest number will be 549.

Hence, the correct answer is option C.





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