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Alpha Numeric Symbol Series Questions for SBI Clerk Pre & IBPS Clerk Pre Exams.

Alpha Numeric Symbol Series Set 11

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

428 548 943 297 567 459

1. If 2 is subtracted from the last digit of each of the numbers how many numbers thus formed will be divisible by 3?

A. Only one B. Two C. More than three D. Four E. None of these

2. If in each number the first and the second digits are interchanged then which will be the highest number?

A. 428 B. 297 C. 459 D. 548 E. None of these

3. What will be the multiplication of the square of the middle digits of the second lowest and the second highest number?

A. 169 B. 225 C. 144 D. 196 E. None of these

4. If the positions of the first and the third digits of each number are interchanged, what will be the difference between middle digits of the lowest and the highest number?

A. 1 B. 2 C. 3 D. 4 E. None of these

5. What is the multiplication of all the digits of the resultant number formed by the difference of the two highest numbers?

A. 201 B. 145 C. 136 D. 126 E. None of these

Correct Answers:

1	2	3	4	5
B	B	C	A	D

Explanations:

1. **The given numbers:**

428 548 943 297 567 459
Applying the above condition in the given sequence, we get:

426 546 941 295 565 457
Here, we can see the 426 and 546 are divisible by 3.

Hence, the correct answer is option B.

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2. **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
Highest number will be 297.

Hence, the correct answer is option B.

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3. **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 second lowest number = 428, the middle digit of 428 is 2.

The second highest number = 567, the middle digit of 567 is 6.

Square of 2 = 4

Square of 6 = 36

Multiplication of 4 and 36 = 144

Hence, the correct answer is option C.

4. **The given numbers:**

428 548 943 297 567 459

After applying above condition, we get:

824 845 349 792 765 954

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

349 765 792 824 845 954

The lowest and the highest number of the sequence are 349 and 954 respectively.

The middle digit of 349 = 4

The middle digit of 964 = 5

Now, difference between the middle digits of these two numbers = 5 – 4 = 1

Hence, the correct answer is option A.

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5. 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 two highest numbers are 567 and 943.

Now, required difference = 943 – 567 = 376

Multiplication of all the digits of 376 = 3 × 7 × 6 = 126

Hence, the correct answer is option D.

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