Question: https://leetcode.com/problems/maximum-product-of-three-numbers/

Since we need to find the product so we need to take into consideration the negative numbers too.

So what we do is we find top 3 pos max numbers, and 2 min numbers.

So max would be either max1 x max2 x max3 or max1 x min1 x min2.

Code:  
class Solution {

public int maximumProduct(int[] nums) {

int max1 = Integer.MIN\_VALUE, max2 = Integer.MIN\_VALUE, max3 = Integer.MIN\_VALUE, min1 = Integer.MAX\_VALUE, min2 = Integer.MAX\_VALUE;

for (int n : nums) {

if (n > max1) {

max3 = max2;

max2 = max1;

max1 = n;

} else if (n > max2) {

max3 = max2;

max2 = n;

} else if (n > max3) {

max3 = n;

}

if (n < min1) {

min2 = min1;

min1 = n;

} else if (n < min2) {

min2 = n;

}

}

return Math.max(max1\*max2\*max3, max1\*min1\*min2);

}

}

Github Link :<https://lnkd.in/ecwtJeaz>