// Question 1

int isRelativelyPrime(int n, int m) {

for (int k = 2; k <= m; k++) {

if (n % k == 0 && m % k == 0) {

return 0;

}

}

return 1;

}

// Question 2

int isMedianArray(int[] a) {

int len = a.length, noAvgAppears = 0, noSmallerAvg = 0, noGreaterAvg = 0, sum = 0;

for (int i = 0; i < len; i++) {

sum += a[i];

}

int avg = sum / len;

for (int l = 0; l < len; l++) {

if (a[l] < avg) {

noSmallerAvg++;

}

if (a[l] > avg) {

noGreaterAvg++;

}

if (a[l] == avg) {

noAvgAppears++;

}

}

if (noSmallerAvg != noGreaterAvg) {

return 0;

}

return noAvgAppears == 1 ? 1 : 0;

}