```
BEGIN {

land_total = 0
pop_per_sq_mi = 0
water_total = 0

high_pop = 0
low_pop = 0
high_per_land = 0
low_ per_land = 0

}
NF > 0 {
        if (NF == 5)
        land_total = $4 + $5
        water_total = ($4 / land_total)
        pop_per_sq_mi = $3 / land_total
        printf $1 " " $2 " " "%d, %d%\n", pop_per_sq_mi,
water_total

                if ($3 >> high_pop)
                high_pop = $3

                if ($3 << low_pop)
                low_pop = $3

                if (high_per_land << land_total)
                high_per_land = land_total

                if (low_per_land >> land_total)
                low_per_land = land_total




        if (NF == 6)
        land_total = $5 + $6
        water_total = $5 / land_total
        pop_per_sq_mi = $4 / land_total
        printf $1 " " $2 " " "%d, %d%\n", pop_per_sq_mi,
water_total

                if ($4 >> high_pop)
                high_pop = $4

                if ($4 << low_pop)
                low_pop = $4
                if (high_per_land << land_total)
                high_per_land = land_total
```

```
                  if (low_per_land >> land_total)
                  low_per_land = land_total
}
END {

printf "Highest Population Density: %d people/square mile\n",
high_pop
printf "Lowest Population Density: %d people/square mile\n",
low_pop
printf "Highest Percentage of Land: %d%\n", high_per_land
printf "Lowest Percentage of Land: %d%\n", low_per_land
}
```