Population Density

Population density is the total population within a geographic area divided by the number of square kilometres of land area of that area.

Complete the following table, using a calculator to calculate the population density for each state of the United States of America:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **State** | **Population** | **Area (km2)** | **Population Density**  **(Population per km2)** |  |
| Alabama | 4,557,808 | 133,915 |  |  |
| Alaska | 663,661 | 1,530,700 |  |  |
| Arizona | 5,939,292 | 295,260 |  |  |
| Arkansas | 2,779,154 | 137,754 |  |  |
| California | 36,132,147 | 411,049 |  |  |
| Colorado | 4,665,177 | 269,596 |  |  |
| Connecticut | 3,510,297 | 12,997 |  |  |
| Delaware | 843,524 | 5,294 |  |  |
| Florida | 17,789,864 | 151,939 |  |  |
| Georgia | 9,072,576 | 152,576 |  |  |
| Hawaii | 1,275,194 | 16,759 |  |  |
| Idaho | 1,429,096 | 216,432 |  |  |
| Illinois | 12,763,371 | 145,934 |  |  |
| Indiana | 6,271,973 | 93,720 |  |  |
| Iowa | 2,966,334 | 145,753 |  |  |
| Kansas | 2,744,687 | 213,098 |  |  |
| Kentucky | 4,173,405 | 104,659 |  |  |
| Louisiana | 4,523,628 | 123,675 |  |  |
| Maine | 1,321,505 | 86,156 |  |  |
| Maryland | 5,600,388 | 27,002 |  |  |
| Massachusetts | 6,398,743 | 21,456 |  |  |
| Michigan | 10,120,860 | 151,586 |  |  |
| Minnesota | 5,132,799 | 218,601 |  |  |
| Mississippi | 5,132,799 | 123,515 |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Missouri | 5,800,310 | 180,516 |  |  |
| Montana | 935,670 | 380,848 |  |  |
| Nebraska | 935,670 | 200,350 |  |  |
| Nevada | 2,414,807 | 286,352 |  |  |
| New Hampshire | 1,309,940 | 24,032 |  |  |
| New Jersey | 8,717,925 | 20,169 |  |  |
| New Mexico | 1,928,384 | 314,925 |  |  |
| New York | 19,254,630 | 127,190 |  |  |
| North Carolina | 8,683,242 | 136,413 |  |  |
| North Dakota | 636,677 | 183,121 |  |  |
| Ohio | 11,464,042 | 107,044 |  |  |
| Oklahoma | 3,547,884 | 181,186 |  |  |
| Oregon | 3,641,056 | 251,149 |  |  |
| Pennsylvania | 12,429,616 | 117,348 |  |  |
| Rhode Island | 1,076,189 | 3,140 |  |  |
| South Carolina | 4,255,083 | 80,582 |  |  |
| South Dakota | 775,933 | 199,730 |  |  |
| Tennessee | 5,962,959 | 109,152 |  |  |
| Texas | 22,859,968 | 691,030 |  |  |
| Utah | 2,469,585 | 219,889 |  |  |
| Vermont | 623,050 | 24,900 |  |  |
| Virginia | 7,567,465 | 105,586 |  |  |
| Washington | 6,287,759 | 176,477 |  |  |
| West Virginia | 1,816,856 | 62,758 |  |  |
| Wisconsin | 5,536,201 | 145,436 |  |  |
| Wyoming | 509,294 | 253,326 |  |  |

What is the highest population density value? What is the lowest population density value?

A choropleth map is commonly used to visualize population density. A choropleth uses only one colour with different shades of that colour presenting the different values. The darker the shade of the colour – the higher the value.

Used a single coloured pencil to complete this key/legend for the choropleth map you are going to produce:

|  |  |
| --- | --- |
| **Population Density (Population per km2)** | **Colour Shade** |
|  | lightest |
|  |  |
|  |  |
|  |  |
|  | darkest |

Complete your choropleth map.

Question to be completed in you notebook/exercise book:

**Describe and explain the distribution of population density in the United States of America.**