Investigating World Demography Using GIS - Answer Key

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1) **[cntry95.shp   6,396 KB]**

2) **[The .shp file contains the geometry for cntry95 file - nodes, lines, polygons.   The .dbf file contains the attributes for the cntry95. The .dbf file is smaller because there is just one row needed to store data about each country.]**

3) **[A 30-degree grid of Earth's latitude and longitude lines.]**

4) **[Shows attribute information about the country selected.]**

5) **[Latitude-Longitude - Geographic]**

6) **[258]**

7) **[21]**

8) **[5,631,139,650]**

9) **[Sorts the rows or records in Ascending order (smallest to largest value) or**

descending order (largest to smallest value).]

10) **[Indonesia]**

11) **[189,331,200]**

12) **[Tokelau]**

13) **[1,600]**

14) **[Pacific]**

15) **[Russia]**

16) **[16,851,940 sqkm]**

17) **[Baker Island]**

18) **[4 fields]**

19) **[The countries are colored based on the population of each country. One color is used to represent each of the default classes.]**

20) **[- 99999 - 13,772,710]**

21) **[1600]**

22) **[In the previous operation you told ArcView not to select those records that contained the null value of -99999.   The record with the next lowest population value was 1600.]**

23) **[Those countries that met the selection criteria (population > 95,000,000) are highlighted in yellow.]**

24) **[1]**

25) **[Nigeria]**

26) **[168]**

27) **[Less]**

28) **[Fips_code]**

29) **[Fips_cntry]**

30) **[The number of fields or columns increased by 27.   The join merges the fields of the two tables together. The length remained at 258 records.]**

31) **[These fields contain blanks or spaces.]**

32) **[The number of of fields you can map has increased by 25, by joining the tables.]**

33) **[The new country shapefile was created with the same data (records/attributes) that were contained in the cntry95 theme after the tables were joined.]**

34) **[Rwanda]**

35) **[Guinea-Bissau]**

36) **[Countries with high life expectancy have lower birth rates, and vice versa.]**

37) **[17]**

38) **[Afghanistan , Bangladesh , Burkina Faso , Cent African Republic , Chad , Guinea , Guinea-Bissau , Lesotho , Liberia , Madagascar , Mali , Mauritania , Mongolia , Mozambique , Nepal , Sierra Leone , Sudan]**

39) **[Demographic characteristics vary widely across the world. Birth rates and life expectancies are inversely related.   Other answers possible.]**

40) **[ArcView GIS includes powerful tools to sort, query, select, and analyze maps and tables.]**

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