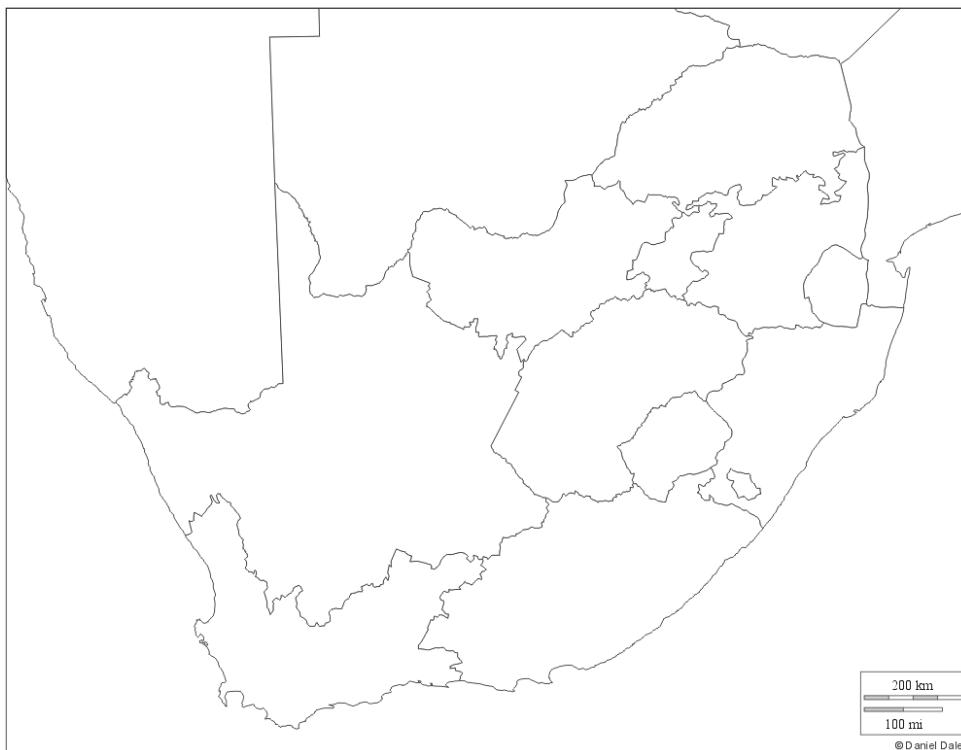


Grade 7 Social Sciences Worksheet

Assessment Task: Population Statistics South Africa

Population statistics project

A	B	C	D	E	F
Province	Capital	Abbreviation	Area (km ²)	Largest city	Population
Western Cape ¹	Cape Town	WC	129,370	Cape Town	<i>4,8 million</i>
Northern Cape	Kimberley	NC	361,830	Kimberley	<i>1,1 million</i>
Eastern Cape	Bhisho	EC	169,580	Port Elizabeth	<i>6,9 million</i>
KwaZulu-Natal	Pietermaritzburg ²	KZN	92,100	Durban	<i>10,0 million</i>
Free State	Bloemfontein	FS	129,480	Bloemfontein	<i>2,9 million</i>
North West	Mafikeng	NW	116,320	Rustenburg	<i>3,4 million</i>
Gauteng	Johannesburg	GP	17,010	Johannesburg	<i>9,7 million</i>
Mpumalanga	Nelspruit	MP	79,490	Nelspruit	<i>3,5 million</i>
Limpopo	Polokwane	LP	123,900	Polokwane	<i>5,4 million</i>



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Refer to the map and statistics for South Africa.

1. For **each** province, calculate the population density, **people / square km**. That is, number in column D divided by number in column F. [9]
2. Draw a **combined bar graph** showing the **area** and **total population (read off the table)** for each province. Label the **area axis on the left**. [10]

For example, each province will have two bars:



Use a scale of 1cm : 1 million for population.
Use a scale of 1 cm : 30 000 square km for area.

3. Using the percentage of South Africa's population for each province, draw a pie chart of SA's population. [10]
- 4.1 Draw a dot map of South Africa's provincial population, using a scale of 1 dot per 100 000 people (10 dots per million). The dots must be evenly spread through each province. [10]
- 4.2 Colour the three provinces with the highest population density red, the next three yellow and leave the three lowest-density populations white.

Assignment

5. Research the population statistics for Africa. Draw a dot map of Africa's population. Choose your own scale of dots per population. [10]
6. Write a short description of the 'distribution of population in Africa'. [10]

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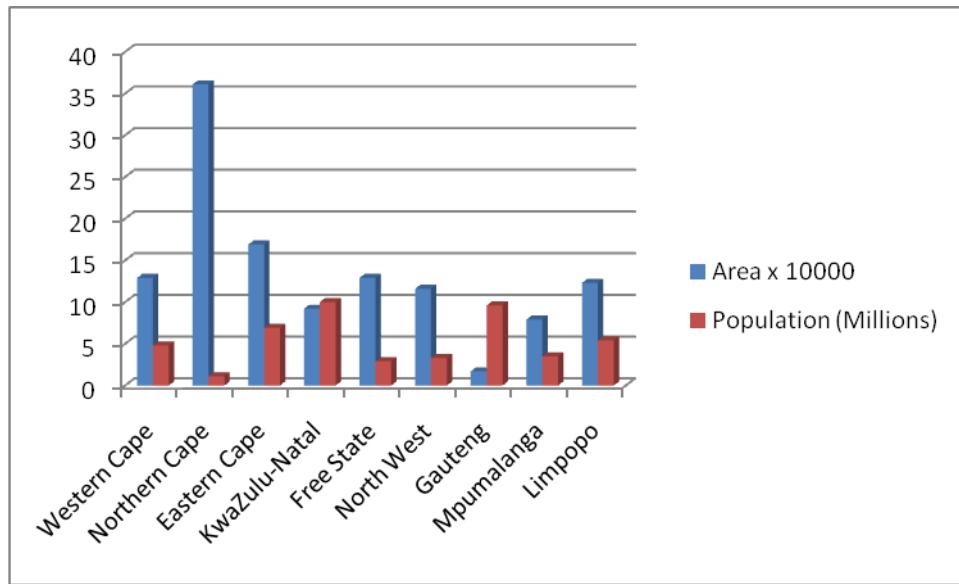
Suggested Solutions

1.

A	B	C	D	E	F	G
Province	Capital	Abbreviation	Area (km ²)	Largest city	Population	Population density Ppl/km squared
Western Cape	Cape Town	WC	129,370	Cape Town	4,839,800	37
Northern Cape	Kimberley	NC	361,830	Kimberley	1,102,200	3
Eastern Cape	Bhisho	EC	169,580	Port Elizabeth	6,906,200	41
KwaZulu-Natal	Pietermaritzburg	KZN, KZ, or KN	92,100	Durban	10,014,500	109
Free State	Bloemfontein	FS	129,480	Bloemfontein	2,965,600	23
North West	Mafikeng	NW	116,320	Rustenburg	3,394,200	29
Gauteng	Johannesburg	GP or GT	17,010	Johannesburg	9,688,100	570
Mpumalanga	Nelspruit	MP	79,490	Nelspruit	3,536,300	44
Limpopo	Polokwane	LP	123,900	Polokwane	5,402,900	44

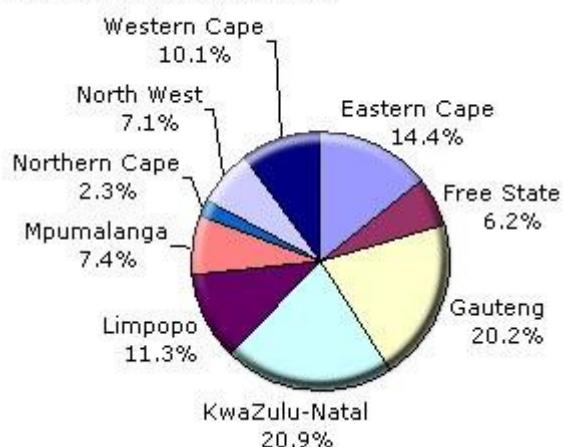
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2.



3.

Population by province



Important that dots are evenly spread in each province.

- Eastern Cape – 6.9 million (14.4%) 69 dots
- Free State – 2.9 million (6.2%) 29 dots
- Gauteng – 9.6 million (20.2%) 96 dots
- KwaZulu-Natal – 10 million (20.9%) 100 dots
- Limpopo – 5.4 million (11.3%) 54 dots
- Mpumalanga – 3.5 million (7.4%) 35 dots
- Northern Cape – 1.1 million (2.3%) 11 dots
- North West – 3.4 million (7.1%) 34 dots
- Western Cape – 4.8 million (10.1%) 48 dots

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4. Important that dots are evenly spread in each country. The list below is from Wikipedia on the Internet. Some countries have less than half a million people, so no dots. All countries rounded to nearest million.

(Integration with Mathematics and Natural Science.)

Finding the correct statistics: 3

Approximately correct number of dots: 3

Evenly spaced dots: 3

Neatness – all dots same size: 1

Pos	Country	Population	Dots
–	Africa	934,283,427	
1	 Nigeria	135,031,164	135
2	 Ethiopia	83,700,450	83
3	 Egypt	80,335,036	80
4	 Congo-Kinshasa	65,751,512	65
5	 South Africa	43,997,828	43
6	 Tanzania	39,384,223	39
7	 Sudan	39,379,358	39
8	 Kenya	36,913,721	36
9	 Morocco	33,757,175	33
10	 Algeria	33,333,216	33
11	 Uganda	30,262,610	30
12	 Ghana	22,931,299	23
13	 Mozambique	20,905,585	21
14	 Madagascar	19,448,815	19
15	 Cameroon	18,060,382	18
16	 Côte d'Ivoire	18,013,409	18
17	 Angola	16,941,000	17
18	 Burkina Faso	14,326,203	14
19	 Malawi	13,603,181	14
20	 Niger	12,894,865	13
21	 Senegal	12,521,851	13
22	 Zimbabwe	12,311,143	12

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23	 Mali	11,995,402	12
24	 Zambia	11,477,447	11
27	 Rwanda	10,427,509	10
25	 Tunisia	10,276,158	10
26	 Guinea	9,947,814	10
28	 Chad	9,885,661	10
29	 Somalia	9,118,773	9
30	 Burundi	8,390,505	8
31	 Benin	8,078,314	8
32	 Sierra Leone	6,144,562	6
33	 Libya	6,036,914	6
34	 Togo	5,701,579	6
35	 Eritrea	4,906,585	5
36	 Central African Republic	4,369,038	4
37	 Congo-Brazzaville	3,800,610	4
38	 Mauritania	3,270,065	3
39	 Liberia	3,195,931	3
40	 Lesotho	2,125,262	2
41	 Namibia	2,055,080	2
42	 Botswana	1,815,508	2
43	 Gambia	1,688,359	2
44	 Guinea-Bissau	1,472,780	1
45	 Gabon	1,454,867	1
46	 Mauritius	1,250,882	1
47	 Swaziland	1,133,066	1
48	 Comores	711,417	1
49	 Equatorial Guinea	551,201	1
50	 Djibouti	496,374	0
51	 Cape Verde	423,613	0
52	 Western Sahara (SADR)	382,617	0
53	 São Tomé and Príncipe	199,579	0
54	 Seychelles	81,895	0

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6. The report should note the high densities along the Eastern side of Africa and along the West African coast. Desert countries have low densities. Report should also mention the names of specific countries. Teacher should point out that **within** countries densities vary. For example nearly all Egypt's population is along the Nile.