





## Grade 8 Mathematics Worksheet

### Data display and interpretation

#### Questions:

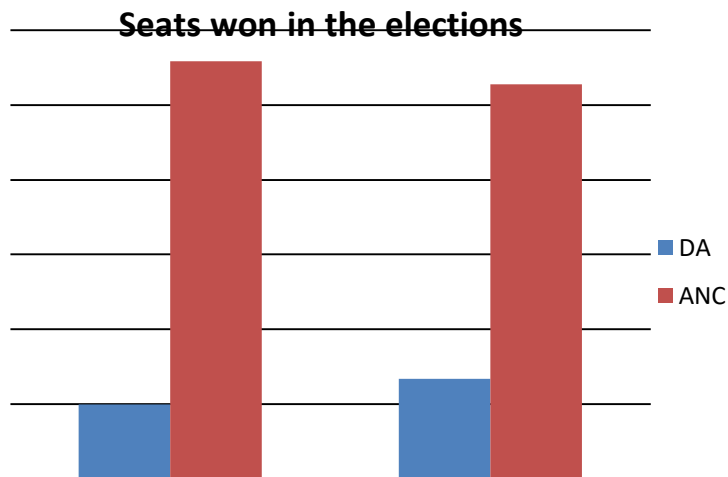
- You want to compare the ruling party (first party), and the opposition party (second party) in South Africa for 2009 and 2004. The following information is available on the seats won by these two groups in parliament:

South African general election, 2004			South African general election, 2009		
All 400 seats to the National Assembly of South Africa			All 400 seats to the National Assembly of South Africa		
April 14, 2004			22 April 2009		
First party		Second party	First party		Second party
					
Leader	Thabo Mbeki	Tony Leon	Leader	Jacob Zuma	Helen Zille
Party	ANC	DA	Party	ANC	DA
Last election	266 seats, 66.35%	38 seats, 9.56%	Last election	279 seats, 69.69%	50 seats, 12.37%
Seats won	279	50	Seats before	297	47
Seat change	+13	+12	Seats won	264	67
Popular vote	10,880,915	1,931,201	Seat change	-33	+20
Percentage	69.69%	12.37%	Popular vote	11,650,748	2,945,829
Swing	+3.34%	+2.81%	Percentage	65.90%	16.66%
Incumbent President	Thabo Mbeki	President-elect Thabo Mbeki	Swing	-3.79%	+4.29%
			Incumbent President	Kgalema Motlanthe	President-elect Jacob Zuma

- Plot a graph that shows the seats won for both elections on one graph.
- Describe the trends that you notice on the graphs.
- Plot one more graph that will show the same data as in (a) clearly on one graph.

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### Solution



1. a)

b) For the DA the number of seats won in 2009 increased by 17 seats from 2004, but for the ANC the number of seats won in 2009 decreased by 15 from 2004

c)

