

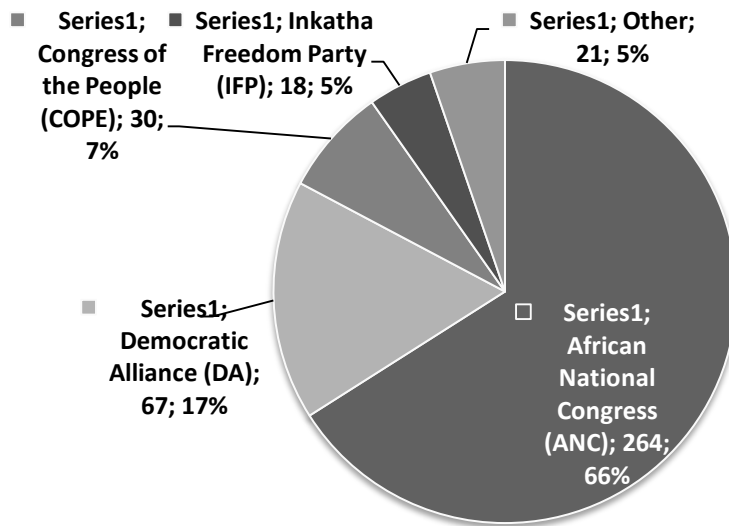
## Grade 7 Maths Worksheet

### Interpretation of graphs, ratio and proportion

#### Questions:

1.

#### Results of the 2009 South African Elections



The pie chart above shows the results of the 2009 election in South Africa. Only the 4 largest parties are recorded here.

- If the population of South Africa consists of 44 344 136 people, how many people voted if only 62% of the voters went to the polls?
- How many people voted for the opposition parties in 2009?
- What is the ratio of ANC voters to DA voters in this election?

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### Solution

1. a)  $62\% \text{ of } 44344136 = \frac{62}{100} \times 44344136 = 27493364$  people voted.
- b) 66% voted for the ANC, which means that 34% voted for the opposition parties.  
That is  $0,34 \times 27493364 = 9347744$  people.
- c)  $\text{ANC:DA} = 66:34 = 33:17$  (approximately 2:1)

Here the rounding off is important to discuss in the context of people voting.

### Appendix of Assignment Tools

Ratio and proportion

Decimals

Fraction

Rounding

Pie chart

Percentages