








GRADE 12 Data Handling. Werkkaart

This is the results of the recent elections.

Party	Votes	Percentage	Seats
 ANC	6,448,285	40.21%	
 DA	3,494,136	21.79%	
 MKP	2,338,484	14.58%	
 EFF	1,525,662	9.51%	
 IFP	617,811	3.85%	
 PA	329,444	2.05%	
 VF	217,576	1.36%	
 ACTIONS SA	190,889	1.19%	
 ACDP	96,238	0.6%	
 UDM	78,334	0.49%	
 OTHERS	423,635	4.37%	

Study the above results and answer the questions:

1. Combine the percentages of the ANC and the DA.  

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2. If the ruling party needs 50% of the votes, is it possible that the MKP and EFF and VF form a coalition to rule?  

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3. Write the results of the bottom 3 parties down as a common fraction.

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4. How many votes did the ANC need to have 50% majority?

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5. Write down the DA votes in words.

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6. Add the votes of the EFF and MKP together and work out the percentage that they short to have a majority vote of 50%

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7. Give the ratio of the ANC to DA.

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8. Calculate the median percentage.

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9. Name the type of data and give a reason for your answer.

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10. Name the type of graph/s that you would use to represent this data

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11. If one draws a pie chart of the above results, what would the degrees for the ANC be?

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12. Calculate  $Q_1$  if you include the votes of the other parties as one party.

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13. Calculate  $Q_2$  if you include the votes of the other parties as one party.

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14. Calculate  $Q_3$  if you include the votes of the other parties as one party.

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15. Calculate IQR if you include the votes of the other parties as one party.

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16. We look at the spread of the data when we consider the box and whisker diagram. Explain in your own words what the above IQR mean.

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