

Lesson 10 - Antacids Investigation: Analysis & Conclusion

Chemistry - Key Stage 3

Chemical Reactions

Mrs Walsh



Results table



Results table - handling data

Mean = $\frac{\text{sum of all the values}}{\text{number of values}}$

E.g. 13, 14, 14
Mean = $\frac{13 + 14 + 14}{3}$

	1	2	3	Mean
Budget price				
Mid price				
Brand 1				
Brand 2 (high-price)				



Analysing the results:

Graph work



What type of graph?

Type of antacid	Mean volume of acid neutralised by antacid (cm ³)
Budget price	14
Mid price	23
Brand 1	20
Brand 2 (high-price)	35

The data in the table is

Therefore, the most suitable graph to display this would be a



Drawing a conclusion from our results



Write a conclusion for the experiment and answer the scientific question - “does the type of antacid affect the volume of acid to be neutralised”?

- The best antacid was , which neutralised the largest volume of acid of cm^3 , followed by which neutralised cm^3 of acid and then which neutralised cm^3 of acid.
- The worst antacid was, which neutralised the smallest volume of acid of cm^3 .
- Therefore

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