

**THE EFFECT OF SCALING IN THE UNDERSTANDING OF  
ALGEBRAIC GRAPHS FOR GRADE 9 (FORM B)  
LEARNERS.**

by

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## **SUMMARY**

The teaching and learning of algebraic linear graphs in the school have experience problems with regards to understanding this topic. The learner's inability to understand algebraic linear graphs as a result of scaling was evidence in this study.

Learners experience difficulties in interpreting, constructing and predicting from linear graphs without the knowledge of scaling. Four tasks were considered necessary for constructing linear graphs. This research focused on scaling task.

The objective of the research is to establish the fact that scaling has influence on the understanding of algebraic linear graphs. An empirical method of research was employed to carry out this research.

The results proved that scaling has influence on the understanding of algebraic linear graphs at grade 9 (Form B). Learners will find it easy to construct, interpret and make prediction from a graph drawn by scaling.

### **Keywords**

Teaching, scaling, linear graphs, pre-algebra, construction, interpretation, prediction, grade 9.

Student number: 33593590

I declare that THE EFFECT OF SCALING IN THE UNDERSTANDING OF ALGEBRAIC GRAPHS FOR GRADE 9 (FORM B) LEARNERS is my own work and that all sources that I have used or quoted have been indicated and acknowledge by means of complete references.

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SIGNATURE

(Mr S B Ijeh)

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DATE

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