

# Learn Maths Through Comics

Series 7



Eng Regina Fumbuka

**Copyright © 2025 by Eng Regina Fumbuka**

**All rights reserved**

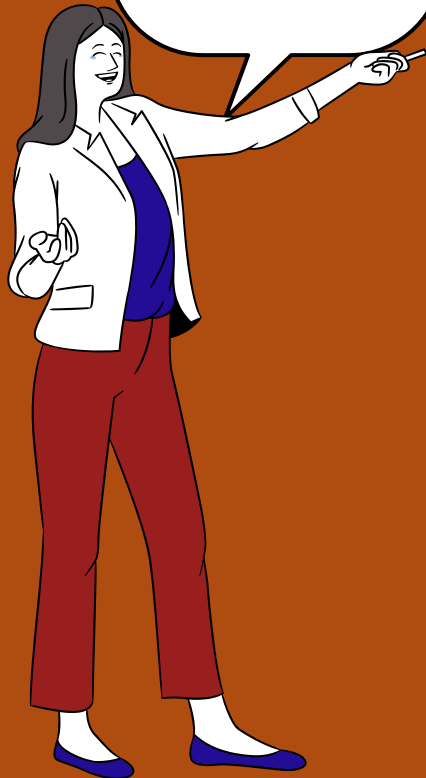
**ISBN: 978-9976-5626-8-2**

# Introduction

Hello friends. Welcome to learning other mathematics concepts in Secondary Education. David and Diana will help you revise Form 3 and Form 4 topics below to ensure easy understanding. If you have missed one of the series, you need to check the other series. Thank you for being with us.

1

Here is our table of contents



## Table of contents

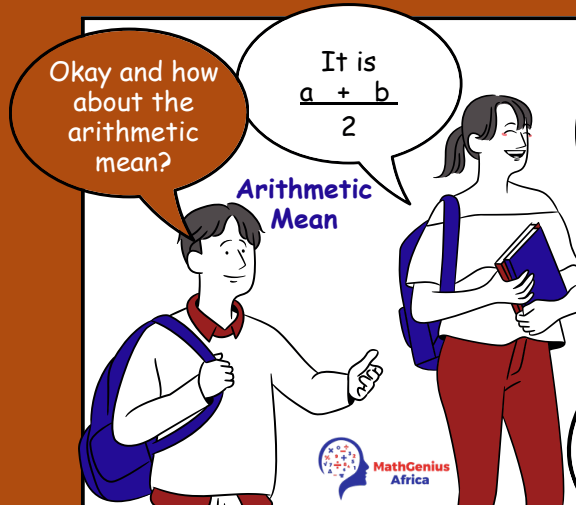
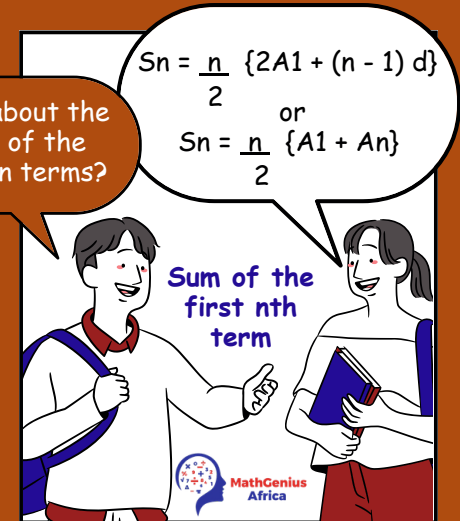
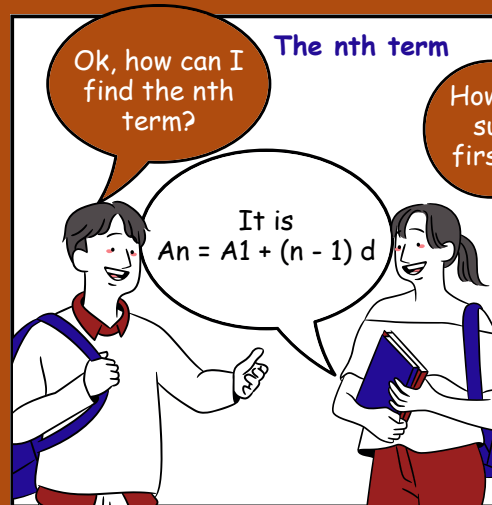
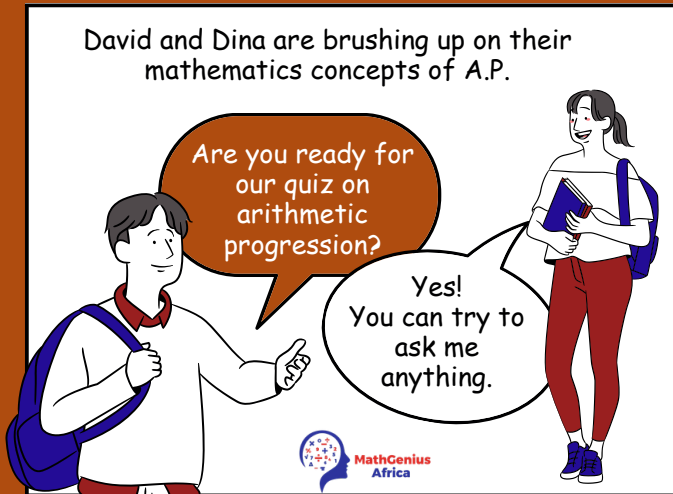
1. Arithmetic Progression	02
2. Geometric Progression	04
3. Circle	06
4. Trigonometry (Advanced)	10
5. Statistics	12
6. Matrix	15
7. Vector	20
8. Probability	23
9. Areas and Perimeters (Advanced)	25
10. Compound Interest	28
11. Function	30
12. Relation	31
13. Linear Programming	32



# Arithmetic Progression

Read the conversation below to review arithmetic progression concepts

2



# Arithmetic Progression

Test yourself after mastering arithmetic progression concepts.

3

David and Dina have done their quiz. How about you, friend?

Please see some of questions they did and practice them.



Ref: TIE Book

## Question 1

The numbers 24,  $m$ ,  $y$  and 72 are such that  $m$  is the arithmetic mean of 24 and  $y$ , while  $y$  is the arithmetic mean of  $m$  and 72. Find the values of  $m$  and  $y$ .

## Question 2

Find the difference between the sum of the first five terms of two arithmetic progressions whose first terms are 12 and 8, and their common differences are 2 and 3, respectively.

## Question 3

If Ali earns a salary of 1256000 Tanzanian shillings per month and his annual increment is 45500 Tanzanian shillings, determine;  
(a) His monthly earnings during the 16th year of employment.  
(b) His total earnings after 18 years.

## Question 4

How many integers are there between 14 and 1000 which are divisible by 17?

