

HIGHLAND HIGH SCHOOL

LESSON PLAN

NAME: A. Daka

DATE: 20 - 05 - 08

CLASS: 10 O

TIME: 07:30hrs

SUBJECT: Mathematics

DURATION: 80 minutes

TOPIC: Processes of Algebra

SUB - TOPICS: Simple Algebraic Fractions.

REFERENCES: Mathematics 10

OBJECTIVES: At the end of the lesson, PSBAT:

(a) Simplify Simple Algebraic Fractions.

(b) Factorise algebraic expressions and then simplify Simple Algebraic Fractions

TEACHING AIDS: Circle Geometry Board Chalkboard.

CONTENT	TIME PHASE	TEACHER'S ACTIVITY	PUPILS ACTIVITY/EXPECTED RESPONSE	METHOD
Introduction	5 - 10 minutes	- Teach asking pupils to Simplify Common fractions. - Telling pupils that Algebraic Fractions contain at least one letter.	- Answering orally and note taking. (a).	. Question and answer.
Lesson Development - Simplifying simple algebraic Fractions	30 minutes	- Then explaining to them how to simplify algebraic fraction: e.g. <u>Simplify the following:</u> 1. $\frac{3a}{15b}$ 2. $\frac{m+n}{m^2-n^2}$ 3. $\frac{x^2-4}{3x^2-5x-2}$ 4. $\frac{p^3qr^2}{pq^2r}$ 5. $\frac{2y^2-50}{y^2-25}$ 6. $(a + 1/b) \div (a + 1/b)^2$ 7. $\frac{x+y}{7x+7y}$	- Pupils to participate in working out examples on the chalkboard. Solutions:- - Writing notes.	Teacher exposition with chalkboard
Assessment	40 minutes	- Teacher giving Class Work on the chalkboard Ex1 P63 1. $\frac{12a}{4b}$ 2. $\frac{7x-49y}{42}$ 3. $\frac{4x^2}{5x+xy}$ 4. $\frac{m^3n^3}{m^2n^3}$ 5. $\frac{b^2-9}{b+3}$ 6. $\frac{2y^2+y-1}{2y^2+5y-3}$ 7. $\frac{x^2+14x+49}{x^2+2x-35}$ 8. $\frac{3x^2+10x-8}{6x^2-13x+6}$ 9. $\frac{1-y^2}{y^2-y+2}$ 10. $\frac{4x+20}{3x+15}$ Then going round giving individual attention to pupils needing help.	Doing the exercise individually in their notebooks.	Chalkboard

EVALUATION:

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