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FORM 1

TERM 2
MATHEMATICS.

TOPIC 9: ALGEBRAIC EXPRESSIONS.

TEACHER'S NAME: ..... TSC NO: .....

SCHOOL/ INSTITUTION : .....

FORM: 1 TERM: 2
YEAR.....

NUMBER OF STUDENTS..... SUBJECT: MATHEMATICS

TOPIC: ALGEBRAIC EXPRESSIONS.

SUB-TOPIC: REPRESENTING NUMBERS WITH LETTERS.

WEEK: 1 LESSON NUMBER: 1

DATE: ..... TIME: .....

OBJECTIVES: **By the end of the lesson the learner should be able to;**

-Use letters to represent numbers

LESSON PRESENTATION

TIME	CONTENT	LEARNING ACTIVITIES	RESOURCES	REFERENCE
5 MINUTES	**INTRODUCTION** Ask probing questions to test the learner's knowledge of algebra.	Discussion. Questions and answers.	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KLB students book 1 page 80-81

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30 MINUTES	**BODY DEVELOPMENT** Lead the learners in representing numbers with letters.	-Discussions -Doing exercises -Guessing -Demonstrations	-Counters -Groups of items	-Discovering secondary mathematics book 1 page 85-86 -Secondary mathematics KLB students book 1 page 80-81
5 MINUTES	**CONCLUSION** Giving assignment on the sub-topic.	Question and answers	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KLB students book 1 page 80-81

SELF-EVALUATION:_____
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TEACHER'S NAME: ..... TSC NO: .....

SCHOOL/ INSTITUTION : .....

FORM: 1 TERM: 2 YEAR.....

NUMBER OF STUDENTS..... SUBJECT: MATHEMATICS.

TOPIC: ALGEBRAIC EXPRESSIONS.

SUB-TOPIC: SIMPLIFYING ALGEBRAIC EXPTRESSSIONS.

WEEK: 1 LESSON NUMBER: 1

DATE: ..... TIME: .....

OBJECTIVES: **By the end of the lesson the learner should be able to;**

Simplify algebraic expressions

LESSON PRESENTATION

TIME	CONTENT	LEARNING ACTIVITIES	RESOURCES	REFERENCE
5 MINUTES	**INTRODUCTION** Review the previous lesson.	Discussion. Questions and answers.	-Chalk board/white board.	-Secondary mathematics KIE book 1

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			-A piece of chalk/ marker pen.	page 49-51
30 MINUTES	**BODY DEVELOPMENT** -Discussions -Doing exercises -Grouping items together -Adding objects -Multiplying and dividing	-Discussions -Doing exercises -Grouping items together -Adding objects -Multiplying and dividing	-Counters -Groups of items -charts	-Discovering secondary mathematics book 1 page 86-88 -Secondary mathematics KLB students book 1 page 82-84 -Advancing mathematics book 1 page 74-75 -Secondary mathematics KIE book 1 page 49-51
5 MINUTES	**CONCLUSION** Giving assignment on the sub-topic.	Question and answers	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KIE book 1 page 49-51

SELF-EVALUATION:_____
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TEACHER'S NAME: ..... TSC NO: .....

SCHOOL/ INSTITUTION : .....

FORM: 1 TERM: 2 YEAR.....

NUMBER OF STUDENTS..... SUBJECT: MATHEMATICS

TOPIC: ALGEBRAIC EXPRESSIONS.

SUB-TOPIC: MULTIPLYING ALGEBRAIC EXPRESSIONS.

WEEK: 1 LESSON NUMBER: 1

DATE: ..... TIME: .....

OBJECTIVES: **By the end of the lesson the learner should be able to;**

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Multiply algebraic expressions

LESSON PRESENTATION

TIME	CONTENT	LEARNING ACTIVITIES	RESOURCES	REFERENCE
5 MINUTES	**INTRODUCTION** Review the previous lesson.	Discussion. Questions and answers.	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KIE book 1 page 49-51
30 MINUTES	**BODY DEVELOPMENT** -Discussions -Simplification of algebraic expressions -Multiplying algebraic expressions -Grouping like items -Doing exercises	-Discussions -Simplification of algebraic expressions -Multiplying algebraic expressions -Grouping like items -Doing exercises	-Groups of unlike items -Groups of like items	-Discovering secondary mathematics book 1 page 87 -Secondary mathematics KLB students book 1 page 89 -Advancing mathematics book 1 page 75 -Secondary mathematics KIE book 1 page 49-51
5 MINUTES	**CONCLUSION** Giving assignment on the sub-topic.	Question and answers	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KIE book 1 page 49-51

SELF-EVALUATION:_____

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TEACHER'S NAME: ..... TSC NO: .....

SCHOOL/ INSTITUTION : .....

FORM: 1 TERM: 2 YEAR.....

NUMBER OF STUDENTS..... SUBJECT: MATHEMATICS.

TOPIC: ALGEBRAIC EXPRESSIONS.

SUB-TOPIC: DIVIDING ALGEBRAIC EXPRESSIONS.

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WEEK: 1 **LESSON NUMBER: 1**

DATE: …….. **TIME: ……..**

OBJECTIVES: **By the end of the lesson the learner should be able to;**

Divide algebraic expressions

LESSON PRESENTATION

TIME	CONTENT	LEARNING ACTIVITIES	RESOURCES	REFERENCE
5 MINUTES	**INTRODUCTION** Review the previous lesson on multiplying the algebraic expressions.	Discussion. Questions and answers.	-Chalk board/white board. -A piece of chalk/ marker pen.	Secondary mathematics KIE book 1 page 49-51
30 MINUTES	**BODY DEVELOPMENT** -Discussions -factorization -Grouping like items -Doing exercises -Puzzles -games	-Discussions -factorization -Grouping like items -Doing exercises -Puzzles -games	-Groups of like items.	-Discovering secondary mathematics book 1 page 87-88 -Secondary mathematics KLB students book 1 page 89 -Advancing mathematics book 1 page 76
5 MINUTES	**CONCLUSION** Giving assignment on the sub-topic.	Question and answers	-Chalk board/white board. -A piece of chalk/ marker pen.	Secondary mathematics KIE book 1 page 49-51

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SELF-EVALUATION:_____
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TEACHER'S NAME: ..... TSC NO: .....

SCHOOL/ INSTITUTION : .....

FORM: 1 TERM: 2 YEAR.....

NUMBER OF STUDENTS..... SUBJECT:

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MATHEMATICS.

TOPIC: ALGEBRAIC EXPRESSIONS.

SUB-TOPIC: USE OF BRACKETS IN ALGEBRAIC EXPRESSIONS.

WEEK: 1 **LESSON NUMBER: 1**

DATE: …….. **TIME: ……..**

OBJECTIVES: **By the end of the lesson the learner should be able to;**

-Use of brackets in algebraic expressions

LESSON PRESENTATION

TIME	CONTENT	LEARNING ACTIVITIES	RESOURCES	REFERENCE
5 MINUTES	**INTRODUCTION** Review the previous lesson.	Discussion. Questions and answers.	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KIE book 1 page 52-53
30 MINUTES	**BODY DEVELOPMENT** -Discussions -Adding -Subtracting -Demonstrations -Matching items -Multiplying -Dividing -Doing exercises	-Discussions -Adding -Subtracting -Demonstrations -Matching items -Multiplying -Dividing -Doing exercises	-Groups of like items/objects	-Discovering secondary mathematics book 1 page 88-89 -Secondary mathematics KLB students book 1 page 85 -Advancing mathematics book 1 page 77 -Secondary mathematics KIE book 1 page 52-53

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5 MINUTES	**CONCLUSION** Giving assignment on the sub-topic.	Question and answers	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KIE book 1 page 52-53

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TEACHER'S NAME: ……. TSC NO: ……

SCHOOL/ INSTITUTION : ……

FORM: 1 TERM: 2 YEAR……

NUMBER OF STUDENTS…… SUBJECT: MATHEMATICS.

TOPIC: ALGEBRAIC EXPRESSIONS.

SUB-TOPIC: FACTORIZATION IN ALGEBRAIC EXPRESSIONS.

WEEK: 1 LESSON NUMBER: 1

DATE: …… TIME: ……

OBJECTIVES: **By the end of the lesson the learner should be able to;**

-Use factorization in algebraic expressions

LESSON PRESENTATION

TIME	CONTENT	LEARNING ACTIVITIES	RESOURCES	REFERENCE
5 MINUTES	**INTRODUCTION** Explain the meaning of factorization.	Discussion. Questions and answers.	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KIE book 1 page 57-58

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30 MINUTES	**BODY DEVELOPMENT** -Discussions -Factorizing -puzzles -Adding -Substitutions -Doing exercises -Playing games	-Discussions -Factorizing -puzzles -Adding -Substitutions -Doing exercises -Playing games	-Groups of like items/objects	-Discovering secondary mathematics book 1 page 88-91 -Secondary mathematics KLB students book 1 page 90 -Advancing mathematics book 1 page 81-83 -Secondary mathematics KIE book 1 page 57-58
5 MINUTES	**CONCLUSION** Giving assignment on the sub-topic.	Question and answers	-Chalk board/white board. -A piece of chalk/ marker pen.	-Secondary mathematics KIE book 1 page 57-58

SELF-EVALUATION:_____
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TEACHER'S NAME: ..... TSC NO: .....

SCHOOL/ INSTITUTION : .....

FORM: 1 TERM: 2 YEAR.....

NUMBER OF STUDENTS..... SUBJECT: MATHEMATICS.

TOPIC: ALGEBRAIC EXPRESSIONS.

SUB-TOPIC: SUBSTITUTION AND FACTORIZATION.

WEEK: 1 LESSON NUMBER: 1

DATE: ..... TIME: .....

OBJECTIVES: **By the end of the lesson the learner should be able to;**

-Substitute and factorize algebraic expressions.

LESSON PRESENTATION

TIME	CONTENT	LEARNING ACTIVITIES	RESOURCES	REFERENCE

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5 MINUTES	**INTRODUCTION** Explain the meaning of substitution.	Discussion. Questions and answers.	-Chalk board/white board. -A piece of chalk/ marker pen.	-Advancing mathematics book 1 page 80& 84
30 MINUTES	**BODY DEVELOPMENT** -Discussions -Dividing -multiplying -Adding -Subtracting -Solving puzzles -Substitutions -Doing exercises -Playing games	-Discussions -Dividing -multiplying -Adding -Subtracting -Solving puzzles -Substitutions -Doing exercises -Playing games	-Groups of like items/objects	-Discovering secondary mathematics book 1 page 91-94 -Secondary mathematics KLB students book 1 page 91-92 -Advancing mathematics book 1 page 80& 84
5 MINUTES	**CONCLUSION** Giving assignment on the sub-topic.	Question and answers	-Chalk board/white board. -A piece of chalk/ marker pen.	-Advancing mathematics book 1 page 80& 84

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