GRADE 9 RATIONALIZED MATHEMATICS LESSON PLAN

WEEK:.1.
LESSON:.1.
STRAND:.Numbers .
SUB STRAND:.Integers .
SPECIFIC LEARNING OUTCOMES:.By the end of the lesson, the learner should be able to:

a) Explain the basic rules on the addition and subtraction operations of integers.
b) Perform addition and subtraction on integers in different situations.
c) Have fun performing addition and subtraction on integers in different situations.

ORGANISATION OF THE LESSON
Lesson will take place in both classroom and outdoor.
Learners will work individually ,in pairs and also in groups .
LESSON DEVELOPMENT.In groups or pairs,learners are guided to:
Step 1 :discuss the rules on addition and subtraction of integers.
Step 2 :create a set of cards with different positive and negative integers.
Step 3 :work out addition and subtraction operations on integers using cards and charts.
Step 4 :play games involving numbers and operations by picking integers and performing addition and subtraction operations..
KEY INQUIRY QUESTIONS.
How do we carry out operations of integers in real life situations?.
LEARNING RESOURCES.
Mathematics Learner's Book.
Lesson notes.
cards.
Teacher's Guide.
CONCLUSION
Guide the learners to recall what they have learnt in class.
EXTENDED ACTIVITIES
Learners to take homework and class assignment.
REFLECTION
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WEEK:..
LESSON:.2.
STRAND:.Numbers .
SUB STRAND:.Integers .
SPECIFIC LEARNING OUTCOMES:.By the end of the lesson,the learner should be able to:

a) Explain the basic rules of multiplication on integers.
b) Perform multiplication operations on integers in different situations.

Have fun multiplying integers in different situations..
ORGANISATION OF THE LESSON
Lesson will take place in both classroom and outdoor.
Learners will work individually ,in pairs and also in groups .
LESSON DEVELOPMENT.In groups or pairs,learners are guided to:
Step 1:identify and discuss the basic rules of multiplication on integers.
Step 2 :work out multiplication on integers applying the identified basic rules.

Step 3:create multiplication charts and work out problems using the charts and cards..
KEY INQUIRY QUESTIONS.
What are the basic rules of multiplication on integers?.
LEARNING RESOURCES.
Mathematics Learner's Textbook.
Teacher's Guide.
Lesson notes.
Charts and cards.
CONCLUSION
Guide the learners to recall what they have learnt in class.
EXTENDED ACTIVITIES
Learners to take homework and class assignment.
REFLECTION
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WEEK:..
LESSON:.3.
STRAND:.Numbers .
SUB STRAND:.Integers .
SPECIFIC LEARNING OUTCOMES:.By the end of the lesson, the learner should be able to:

a) Explain the basic rules on division of integers.
b) Work out division operations on integers in different situations.
c) Enjoy working out division operations on integers in different situations.

ORGANISATION OF THE LESSON
Lesson will take place in both classroom and outdoor.
Learners will work individually ,in pairs and also in groups .
LESSON DEVELOPMENT.In groups or pairs or individually,learners are guided to:
Step 1 :discuss the basic rules on division of integers.
Step 2 :create a division chart for integers noting patterns.
Step 3 :work out division on integers using number cards and charts.
Step 4:share their answers with peers for assessment..
KEY INQUIRY QUESTIONS.
What are the basic rules of division on integers?.
LEARNING RESOURCES.
Teacher's Guide.
Mathematics Learner's Textbook.
Division charts.
Number cards.
CONCLUSION
Guide the learners to recall what they have learnt in class.
EXTENDED ACTIVITIES
Learners to take homework and class assignment.
REFLECTION
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WEEK:..
LESSON:.4.
STRAND:.Numbers .