Stage 6.

Learning Plan

Stage 6, 11years.

Lesson 3

Duration: 80mins

Subject: Mathematics

Topic: Numbers and Algebra

Sub-topic: Multiplication by a Fraction.

Lesson Objectives;

By the end of the lesson the learner should be able to;

* Describe multiplication and multiplication by fraction.
* Calculate tasks involving multiplication by fraction
* Solve numerically tasks on multiplication by fraction.

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| **Syllabus Elaborations/content** | **Time** | **Content/learning experiences** | **Teaching strategies** | **Class Organization** | **Assessment Techniques** | **Resources** |
| Numbers, multiplication of numbers and numbers involving fractions. | 10 minutes | Introduction  Students start by defining multiplication of numbers and numbers in fraction forms.  Students find out how to double a single-digit number, double a double-digit number, divide a number by a single digit number, dividing by a double digit number.  Students have been in a situation where they were into groups of three and they had to get the total number of students in the class. They had to keep on joining the group of the other and finally they get the total number of students. | Students get into pairs to define the terms and give single and numbers in fractions. | Pairs or small groups | Feedback to class on the definitions and the numbers | Smart board. |
| The single-digit numbers, double-digit numbers are written on the smart board.  Students in pairs and others in singles.  Double-digit numbers, three-digit numbers, four-digit numbers, and five-digit numbers. | 30 minutes.  10 minutes  15 minutes | Body.  This involves students getting into pairs, and a single student then they multiply to get the figures.  Students are placed in pairs for 15 groups. The first pair gets into the second pair to form one group. The group joins a single share and gets the calculations. The process continues till with the last pair.  The students with the help of their teacher count the total number of students they form from the group. They multiply the total number with a single pair to get the total students they had.  Further study  Students get 3 digit numbers, they multiply with 3 digit numbers, they get four digits numbers, and as well multiply with 3 digit numbers and the process continues.  Students get a three-digit number and divide it with a three-digit number, they get a four-digit number they divide with the four-digit number, and the process continues. | Students into pairs and singles  Students in pairs and groups.  Counting and multiplication.  Calculations on smart board by the students.  Corrections done by the teacher | Pair and single students  Pair and groups.  A group  Pairs/ groups | Discussion and questioning  Calculations and questioning  Counting and multiplication.  Calculations, corrections, and questioning. | Smart board.  Textbooks.  Records on a smart board.  Textbooks and smart board. |
| Further terms on numbers and algebra, multiplication as a whole. | 15minutes. | Conclusion.  Students go through all the calculations done on the smart board.  A few questions from students on multiplication of numbers.  Issuance of takeaway exercises. | The teacher responds to the students' questions  Share with the class various tackled samples. | The whole class. | Corrections, presentations, and questioning | Smart board.  Textbooks. |