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|  | TEACHER’S ACTIVITY | STUDENT’S ACTIVITY |
| PRESENTATION | The teacher presents the topic with the aid of these steps. |  |
| STEP 1 | **IDENTIFICATION OF PRIOR IDEA** |  |
|  | The teacher asks the students to mention the basic operations in mathematics. | The students answer the question. |
| STEP 2 | **EXPLORATION** |  |
|  | The teacher explores further by asking the students to find the perimeter of a rectangular field measuring (2*x* 3) *cm* by (*x* – 2) *cm*. | The students answer the question. |
| STEP 3 | **DISCUSSION** |  |
|  | **Matrix operation**  We can solve matrices by performing operations on them like addition, subtraction, multiplication, and so on. Calculating matrices depends on the number of rows and columns. The basic operations that can be performed on matrices are addition, subtraction, scalar multiplication, multiplication and transposition  **Addition and subtraction of Matrices**  The addition and subtraction of matrices can only be possible if the number of rows and columns of both matrices are the same. While adding or subtracting 2 matrices, we add or subtract the corresponding elements. That is, (A B) , where i and j are the number of rows and columns, respectively. | The students listen to the teacher and copy the note. |
| STEP 4 | **APPLICATION** |  |
|  | Example 1  Given matrices A and B , calculate A B.  Solution  A B      Example 2  Given matrices P and Q , calculate P – Q.  Solution  P – Q - | The students listen to the teacher and ask questions. |
| STEP 5 | **EVALUATION** |  |
|  | The teacher evaluates the lesson with the question below:  If X and Y , find:   1. X Y 2. Y – X | The students solve the questions. |
| CONCLUSION | The teacher concludes the lesson by giving correction to the evaluation question. |  |
| ASSIGNMENT | Find the values of *x* and *y* respectively if |  |
| REFERENCE | New Concept Mathematics for senior secondary school book 3 by H N Odogwu, et al. |  |