

Name: _____ Period: _____ Date: _____

Organizing Data Using Matrices Bell Work

Find the elements of the Matrix Below

$$E = \begin{bmatrix} 1 & 2 & 3 & 4 \\ 5 & 6 & 7 & 8 \\ 9 & 0 & -1 & -2 \\ -3 & -4 & -5 & -6 \end{bmatrix}$$

1. Find E_{32}

2. Find E_{43}

3. Find E_{24}

Matrix G below shows the score of the three students in three math quiz.

	1	2	3
student A	24	15	18
student B	25	23	20
student C	20	24	17

4. Who got the highest score in the third quiz?

5. In which quiz student B excel the most?

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Identify the Element of a matrix in the given data.

Below are the number of participants in the junior high school basketball team, according to gender and year level

	Male	Female
FIRST YEAR	20	12
SECOND YEAR	12	8
THIRD YEAR	8	5

6. Create a 3×2 matrix for the data above and label it matrix B.

7. Find B_{12} , what does it represent?

8. Find B_{31} , what does it represent?

A survey was conducted for three leading Brand of toothpaste; 32 males and 21 females preferred brand A, 24 males and 32 females preferred brand B and 20 males and 27 females preferred brand C.

9. Create a 2×3 matrix and label it Matrix C.

10. Find C_{22} , what does it represent?