1. The matrix below shows how much food Elvira will order for the soccer team and drama club.

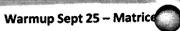|	chips	cookies	drinks
Soccer	8	7	4
Drama	10	4	4

Elvira finds out that each member of the soccer team and drama club is allowed to bring their 2 parents and 2 friends. What can you do to the matrix to show how much food Elvira should buy?

2. The matrix below shows how much food Elvira will order for the French club and the Spanish club.

	chips	cookies	drinks
French	6	10	4
Spanish	8	6	4

But sadly, half of the French and Spanish club members have decided to quit and join the German club instead. What can you do to the matrix to show how much food Elvira should buy now?

Do the Matrix Arithmetic

$$\begin{bmatrix} 2 & 4 & 10 \\ 8 & 2 & 3 \\ 1 & 5 & 7 \end{bmatrix} + \begin{bmatrix} 7 & 3 & 12 \\ 9 & 2 & 6 \\ 11 & 7 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 4 & 10 \\ 8 & 2 & 3 \\ 1 & 5 & 7 \end{bmatrix} - \begin{bmatrix} 7 & 3 & 12 \\ 9 & 2 & 6 \\ 11 & 7 & 1 \end{bmatrix}$$

$$4 \times \begin{bmatrix} 7 & 3 & 12 \\ 9 & 2 & 6 \\ 11 & 7 & 1 \end{bmatrix}$$

Do the Matrix Arithmetic

$$\begin{bmatrix} 2 & 4 & 10 \\ 8 & 2 & 3 \\ 1 & 5 & 7 \end{bmatrix} + \begin{bmatrix} 7 & 3 & 12 \\ 9 & 2 & 6 \\ 11 & 7 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 4 & 10 \\ 8 & 2 & 3 \\ 1 & 5 & 7 \end{bmatrix} - \begin{bmatrix} 7 & 3 & 12 \\ 9 & 2 & 6 \\ 11 & 7 & 1 \end{bmatrix}$$

$$4 \times \begin{bmatrix} 7 & 3 & 12 \\ 9 & 2 & 6 \\ 11 & 7 & 1 \end{bmatrix}$$