**Activity Adding and Subtracting Matrices**

1. Four matrices are given:

A = $\left(\begin{matrix}21&2\\-1&4.5\\3&0\end{matrix}\right)$ B = $\left(\begin{matrix}-12&18\\-4&-2\\-7.25&8\end{matrix}\right)$ C = $\left(\begin{matrix}2&-4\\0&12\end{matrix}\right)$ D = $\left(\begin{matrix}3&7\\6&9\\2&9\end{matrix}\right)$

Calculate the following:

1. A + B
2. B – A
3. D + C
4. D – B + A

**Answer Key**

a)$ \left(\begin{matrix}9&20\\-5&2.5\\-4.25&8\end{matrix}\right)$

b)$ \left(\begin{matrix}-33&16\\-3&-6.5\\-10.25&8\end{matrix}\right)$

c) Impossible

d)$ \left(\begin{matrix}36&-9\\9&15.5\\12.5&1\end{matrix}\right)$