Addition & Subtraction

While working in a group make sure you:

- Expect to make mistakes but be sure to reflect/learn from them!
- Are civil and are aware of your impact on others.
- Assume and engage with the strongest argument while assuming best intent.

1. Perform the addition and subtraction for the following:

   (a) $213_{\text{five}} + 23_{\text{five}}$

   (b) $243_{\text{five}} - 41_{\text{five}}$

   (c) $243_{\text{five}} - 24_{\text{five}}$

2. Could we add or subtract numbers with different bases? For example could $23_{\text{five}} + 15_{\text{seven}}$ be computed? If so, how? If not, why not?

3. Let a, b, and c be numbers. Determine if the following statements are always true, sometimes true, or never true. Justify your answer.

   (a) $a - 0 = a$

   (b) $a - (b + c) = (a - b) + c$

   (c) $a + b = b + a$

   (d) $a - b = b - a$