1. Is it true that \( \text{GCF}(a, b, c) \cdot \text{LCM}(a, b, c) = abc \)? Explain your answer.

2. It is possible to use a Venn diagram to help find the GCF and LCM of two or more numbers. Use a Venn diagram find the GCF and LCM of 10, 15, and 60.

3. Suppose that \( \text{GCF}(a, b, c) = 1 \). Is it necessarily true that \( \text{GCF}(a, b) = 1 = \text{GCF}(b, c) = 1 \)? Explain your reasoning.