**Situation**: Solve the number of Kanbans required for four components at the ABC Company using the table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | **Component W** | **Component X** | **Component Y** | **Component Z** |
| Daily Usage (units) | 900 units | 250 units | 1,200 units | 350 units |
| Lead Time (hours) | 2 hours | 5 hours | 1 hour | 3 hours |
| Container Size (units) | 25 units | 40 units | 50 units | 20 units |
| Safety Stock (percent) | 25% | 20% | 15% | 10% |

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| --- |
| **Deliverables** |

Please remember to show your work.

Use the data provided in the table above to calculate the number of Kanbans for each component.

|  |  |  |
| --- | --- | --- |
|  | **L A B    S T E P S**  |  |

|  |  |
| --- | --- |
| **STEP 1: Component W** |  |

Calculate the number of Kanbans required for Component W.

|  |  |
| --- | --- |
| **STEP 2: Component X** |  |

Calculate the number of Kanbans required for Component X.

|  |  |
| --- | --- |
| **STEP 3: Component Y** |  |

Calculate the number of Kanbans required for Component Y.

|  |  |
| --- | --- |
| **STEP 4: Component Z** |  |

Calculate the number of Kanbans required for Component Z.