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Advanced VMware Cloud Foundation 9.0 Storage

VMware 3V0-23.25

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Topic Break Down

Topic	No. of Questions
Topic 1, IT Architectures, Technologies, Standards	1
Topic 2, VMware by Broadcom Solution	1
Topic 3, Plan and Design	1
Total	3

QUESTION NO: 1 - (DRAG DROP)

An administrator is responsible for a VMware Cloud Foundation (VCF) Private Cloud and has been tasked with identifying and explaining the different Fibre Channel (FC) Storage Area Network (SAN) components within a VCF Workload Domain cluster.

Drag and drop the correct Term onto its matching Definition.

ANSWER:

Explanation:

The completed matching correctly identifies the storage concepts used when vSphere hosts consume Fibre Channel storage in a VCF workload domain. A **Datastore Cluster** is the vSphere grouping of shared datastores managed collectively, allowing storage resource-management policies to be applied across that pool. This provides the logical construct used for capacity-aware placement and balancing of virtual-machine storage. VMware documents datastore clusters and their relationship to Storage DRS in the [vSphere Resource Management documentation](#).

LUN Masking is correctly associated with access control at the storage-array layer. The array presents a LUN only to approved host initiators, limiting host visibility to the intended storage resources. **Zoning** supplies the complementary access-control layer in the Fibre Channel network itself by defining permitted communication paths between initiators, such as host adapters, and storage targets. Together, these controls form the normal layered access model for an FC SAN. VMware's [vSphere Storage documentation](#) covers the storage connectivity and datastore concepts used by ESXi.

The **SAN Fabric** is correctly identified as the dedicated, high-performance network infrastructure carrying storage traffic among hosts, FC switches, and array ports. A **Host Bus Adapter (HBA)** is the host-side hardware interface that connects an ESXi server to that fabric and enables FC storage access. Once storage is presented through the fabric and recognized by ESXi, a **Datastore** is the manageable vSphere storage container used for virtual-machine files, including virtual disks, configuration files, logs, and related files. These mappings accurately distinguish physical connectivity, SAN access controls, and the vSphere-level storage objects administrators use operationally.